

SERVICE MANUAL

SYSTEM-70

TT-702DP

AM/FM STEREO TUNER

TA-705BR

HI-FI STEREO AMPLIFIER

TE-707SG

GRAPHIC EQUALIZER

TD-703DMS

STEREO DOUBLE CASSETTE DECK

TRM-718BR

REMOTE CONTROL BOX

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TT-702DP AM/FM STEREO TUNER

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TA-705BR HI-FI STEREO AMPLIFIER

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TE-707SG GRAPHIC EQUALIZER

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TD-703DMS STEREO DOUBLE CASSETTE DECK

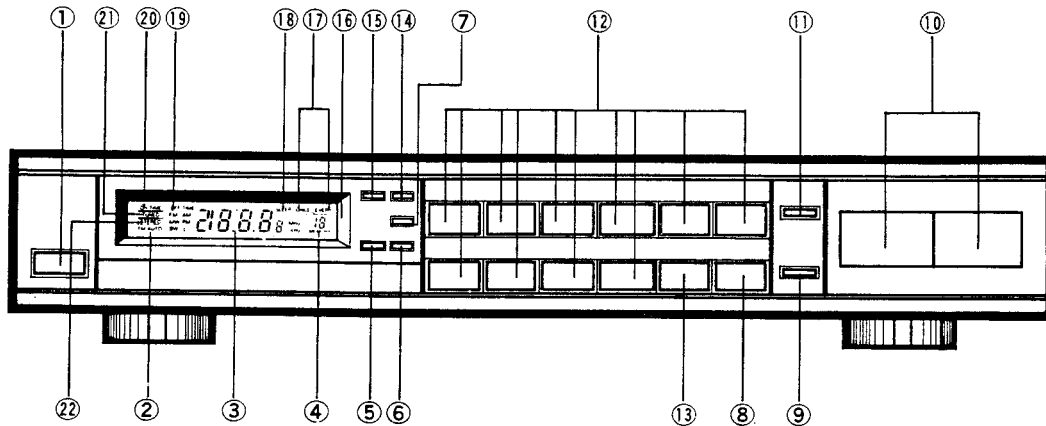
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TRM-718BR REMOTE CONTROL BOX

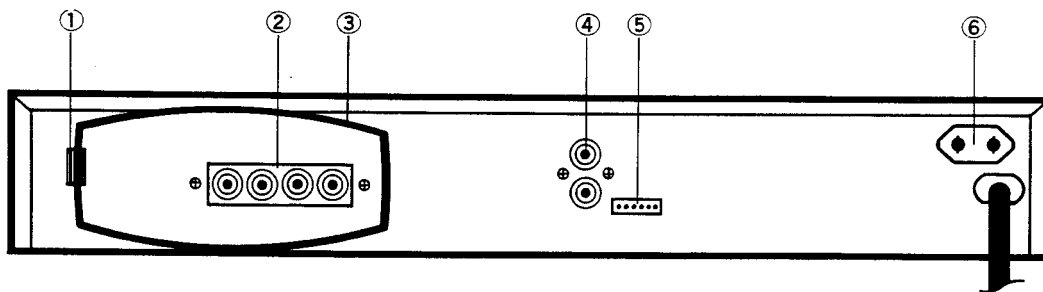
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MODEL NO. **TT-702DP** AM/FM STEREO TUNER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

1. **Power Button**
Each press of the button commutes the change in order of Tuner ON and stand by stand by state is display clock only and reception is not available.
2. **FM Auto Indicator**
Lights when the FM MODE button is placed in FM Auto mode during FM reception.
3. **Display**
Displays current time, timer ON/OFF time, sleep time and radio frequency (normally displays current time).
4. **Memory Indicator**
Flashes for 5 seconds when the MEMORY button is pressed.
5. **Timer Mode Selection Button (Timer SELECT)**
Press this button to bring up the **ONCE** display when turning on the timer one time only, to bring up the **EVERY** display when turning on the timer at the same time every day, and to clear the display when not using the timer.

6. **Timer Set Button**
Press when using the timer.
7. **Sleep Button**
Functions as a 60-minute sleep timer when this button is pressed.
8. **Memory Scan Button (M-SCAN)**
Press this button to start memory scanning, and to stop the scanning, press it again.

2 BAND (MW, FM) ONLY

9. **Band Selector Button**
Use to select MW, FM reception. Each press of the button commutes the reception in order of FM, MW.
10. **Up/Down Buttons**
Press to select stations, set the clock, set the timer, and adjust the sleep time.
Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:
FM : 0.1 MHz steps
MW: 9 KHz steps

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

TT-703DPL

■ 3 BAND (MW, LW, FM) ONLY

9. Band Selector Button

Use to select MW, LW or FM reception. Each press of the button commutes the reception in order of FM, MW and LW.

10. Up/Down Buttons

Press to select stations, set the clock, set the timer, and adjust the sleep time.

Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:

FM : 0.05 MHz steps

MW: 9 KHz steps

LW : 1 KHz steps

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

TT-703DPS

■ 3 BAND (MW, SW, FM) ONLY

9. Band Selector Button

Use to select MW, SW or FM reception. Each press of the button commutes the reception in order of FM, MW and SW.

10. Up/Down Buttons

Press to select stations, set the clock, set the timer, and adjust the sleep time.

Each time the Up/Down button is pressed, the tuned frequency increases or decreases in the following manner:

FM : 0.05 MHz steps

MW: 9 KHz steps

SW : 5 KHz steps

If either button is held down for more than half a second, the frequency will increase or decrease, until a frequency is tuned.

To exit auto tuning mode, press either button once more.

11. FM Mode Button

When this button is pressed and the FM Auto indicator lights, FM reception is either in stereo or in monaural according to the station being received is broadcasting in stereo or in monaural. When the FM Auto indicator is not lighting, the reception is always monaural even if the broadcast is in stereo.

This button functions only when the BAND selector button is set for FM reception.

12. Station Selector (Preset) Buttons

Use these buttons to (1) preset a frequency or (2) recall a preset frequency.

13. Memory Button

Use this button to place frequencies in the memory for the preset STATION channels (1 to 10/ + 10). Press this button ("MEMORY" appears on the display) and then one of the preset STATION buttons to place the currently tuned frequency in that channel. If no preset STATION button is pressed, the "MEMORY" display goes out after about four seconds. The preset STATION can easily be changed by following the above procedure once again.

14. Clock Set Button

Press to set the current time.

15. Display Button.

16. Station Preset Indicator

Lights when the STATION selector preset button is pressed.

17. Timer Mode Indicator

Press the TIMER SELECT button to turn on the timer, selecting either ONCE Or EVERY. Also, press the TIMER SELECT button to clear the display when the timer is no longer used.

18. Sleep Indicator

Displayed when the sleep timer is on.

19. OFF Time Indicator

Indicates when the timer is to turn off.

20. ON Time Indicator

Indicates when the timer is to turn on.

21. Tuned Indicator

Lights when the optimum tuning point has been reached for the radio broadcast being listened to.

22. Stereo Indicator

Lights when an FM stereo broadcast is being received and the FM MODE button is in the FM-AUTO position.

REAR PANEL CONNECTIONS

- 1. AM Antenna Holder**
An AM loop antenna (included with this unit) is attached to the rear panel of the unit.
- 2. Antenna Terminal**
Connect the wires to this antenna terminal from AM loop antenna and FM T-antenna.
- 3. Loop Antenna**
Connect the wires from this antenna to the AM antenna terminals on the rear panel of this unit and then set the antenna to the angle with the best reception.
- 4. Output Terminal**
Connect the connector to amplifier.
- 5. Remote Terminal**
Connections to the Amplifier.
Connect the connection cable extending from the rear panel of this unit to the amplifier's TUNER REMOTE TERMINAL.
- 6. AC Outlet Terminal**
This terminal is amplifier's main power source.
Connect the amplifier's AC cord and this outlet operates with switched.

NOTE:

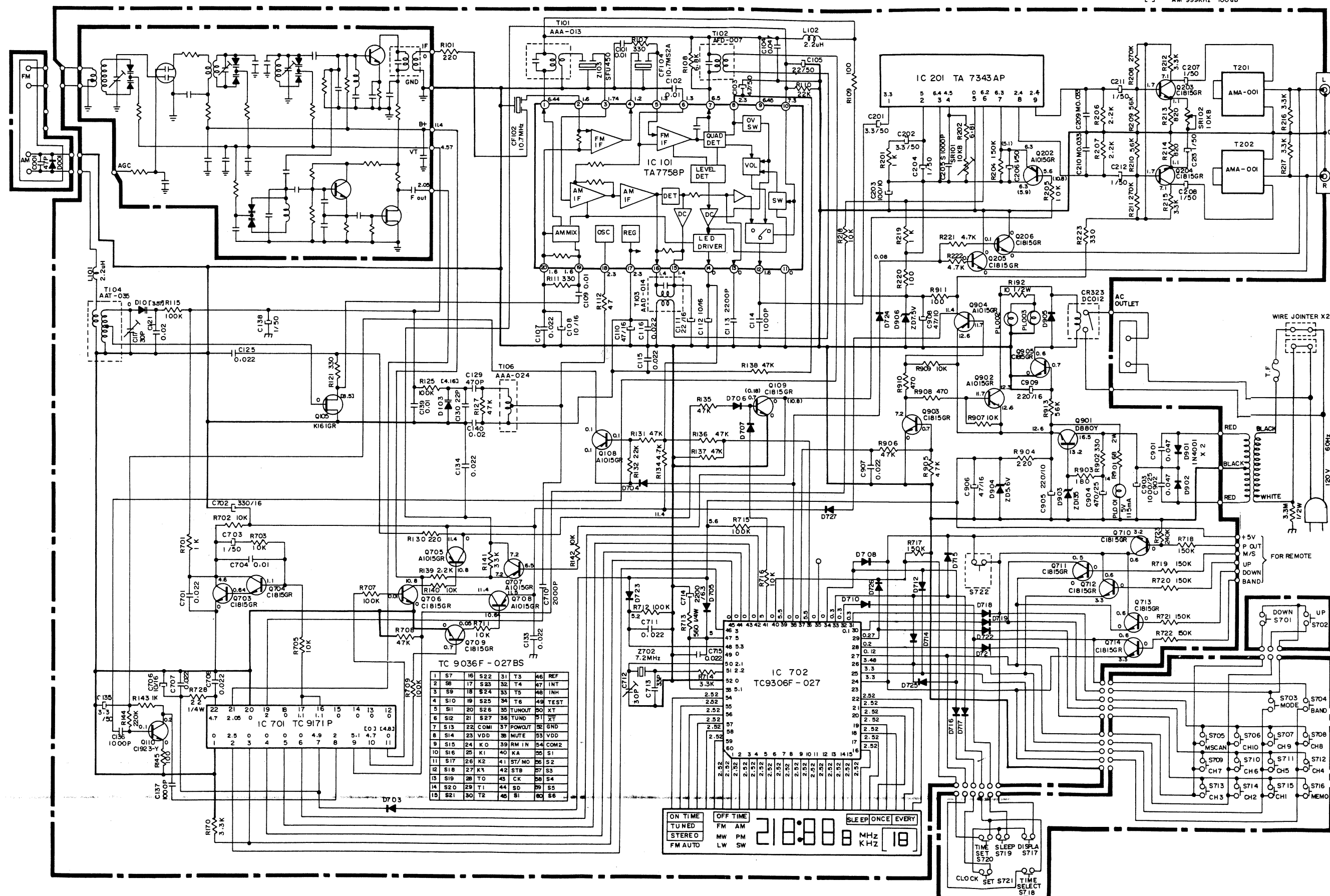
- **Connecting the Outdoor FM Antenna**
If the FM STEREO indicator does not light or flashes on and off while a stereo FM broadcast is being received or if sound quality is poor, you should use an outdoor FM antenna instead of the indoor antenna. Terminals is provided for 300 ohm aerial only.
- When interruption of power source memory keep up time is about 48 Hours, within 48 hours power source will supply, this unit maintenance the memory but re-adjust present time.

SPECIFICATIONS

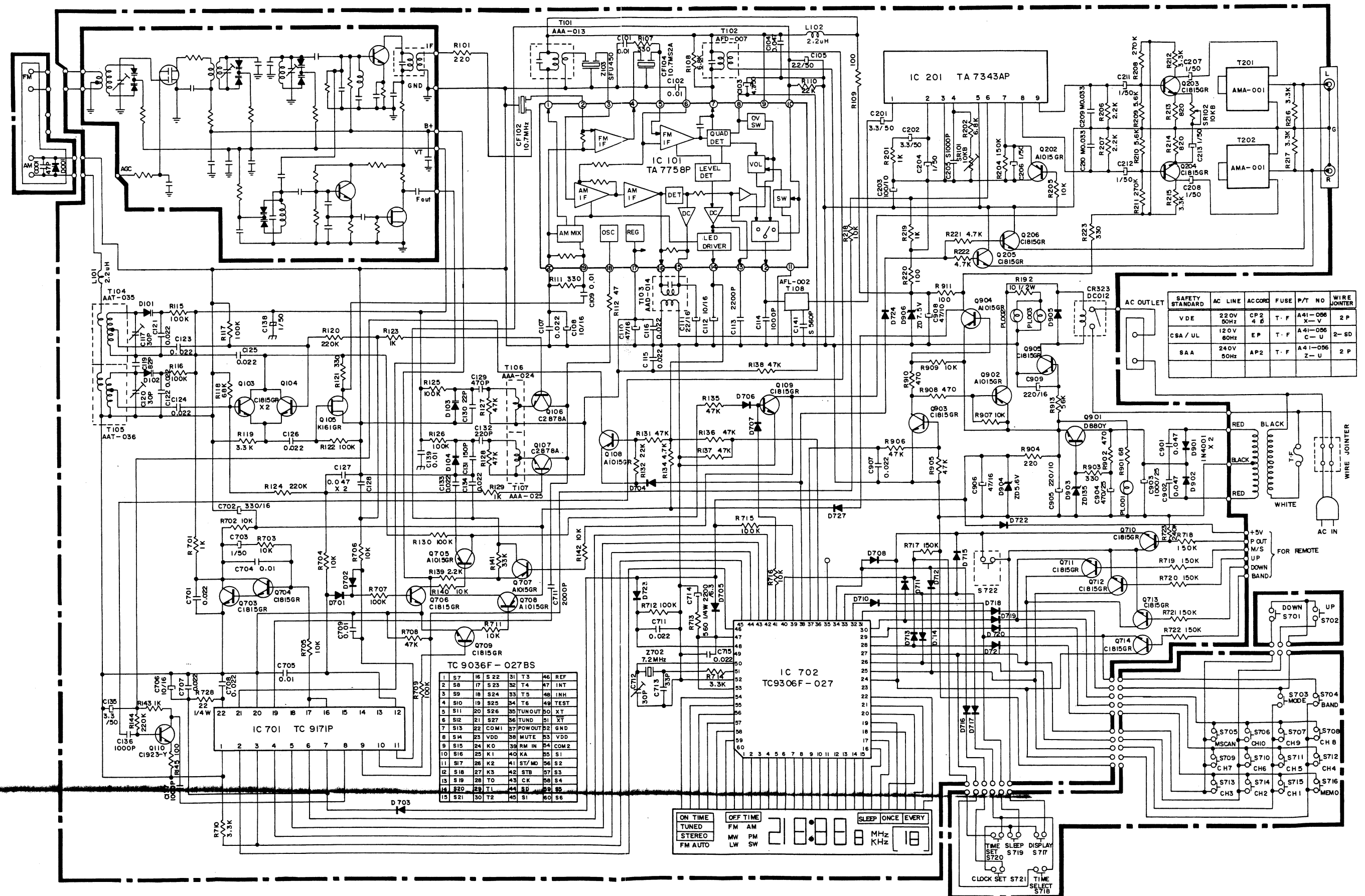
| | |
|----------------------|--|
| Frequency Range | : FM 87.5 – 108.0 MHz (0.1 MHz step) MW 531 – 1602 KHz (9 KHz step) |
| Sensitivity | : FM 2.0 μ V MW 500 μ V |
| S/N Radio | : FM Mono : 65 dB : FM Stereo: 60 dB MW : 50 dB |
| FM Thd | : Mono : 0.3% Stereo: 0.5% |
| Frequency Response | : 30 Hz – 15 KHz |
| Selectivity | : 60 dB |
| Stereo Separation | : 40 dB (1 KHz) |
| Power Supply Voltage | : Safety Standard |
| Power Consumption | : 10 W |
| Demension | : 420(w) \times 65(H) \times 253(D)mm |
| Weight | : 2.7 Kg |

MODEL NO. TT-702DP SCHEMATIC DIAGRAM

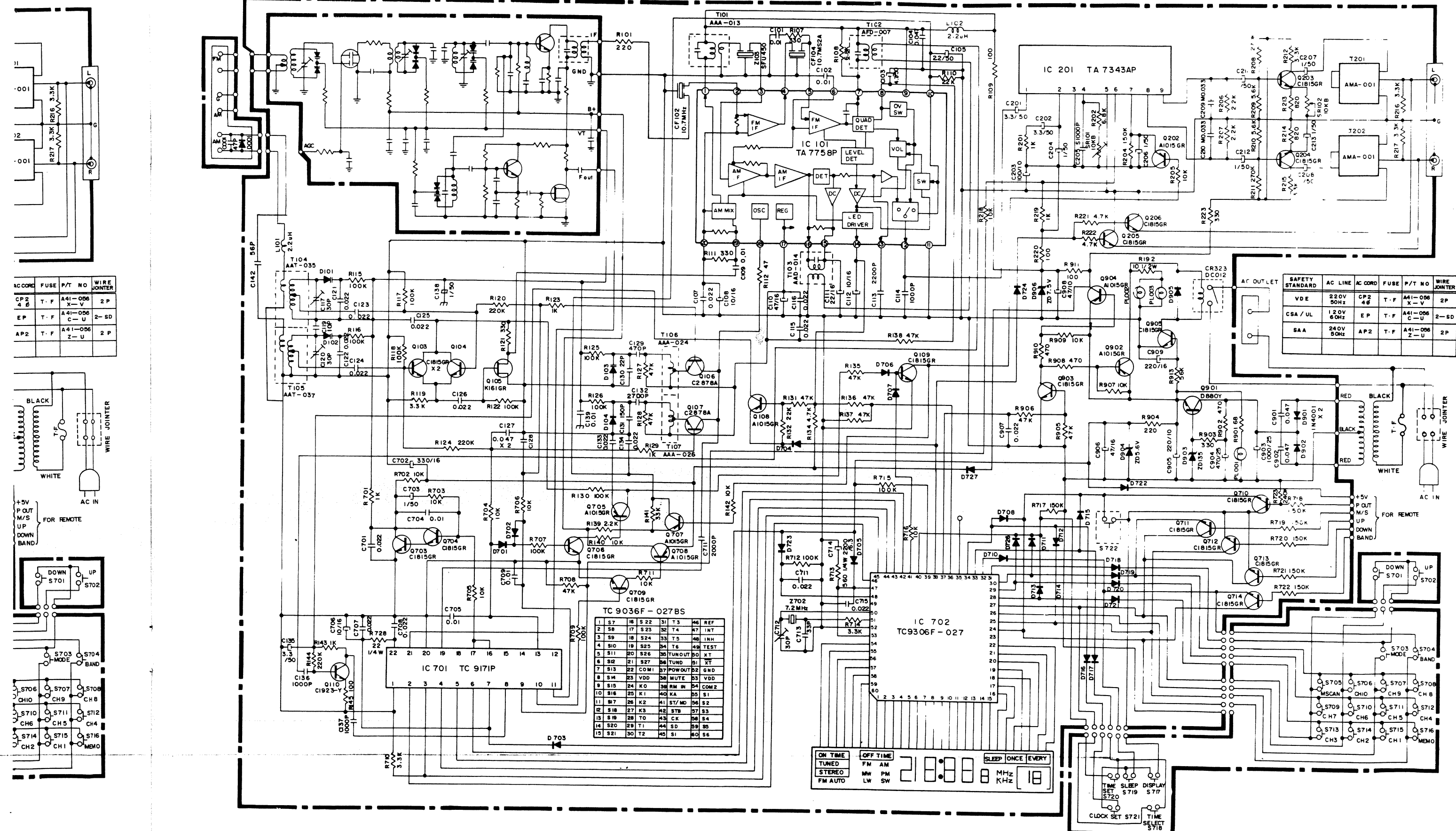
FM 98MHz 60dB MONO
() FM 98MHz 60dB STEREO
[] AM 999KHz 100dB



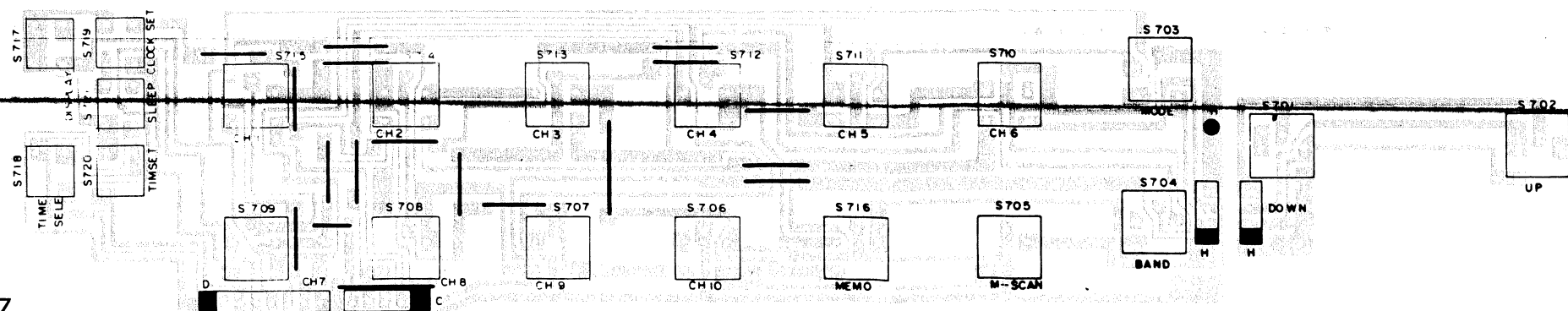
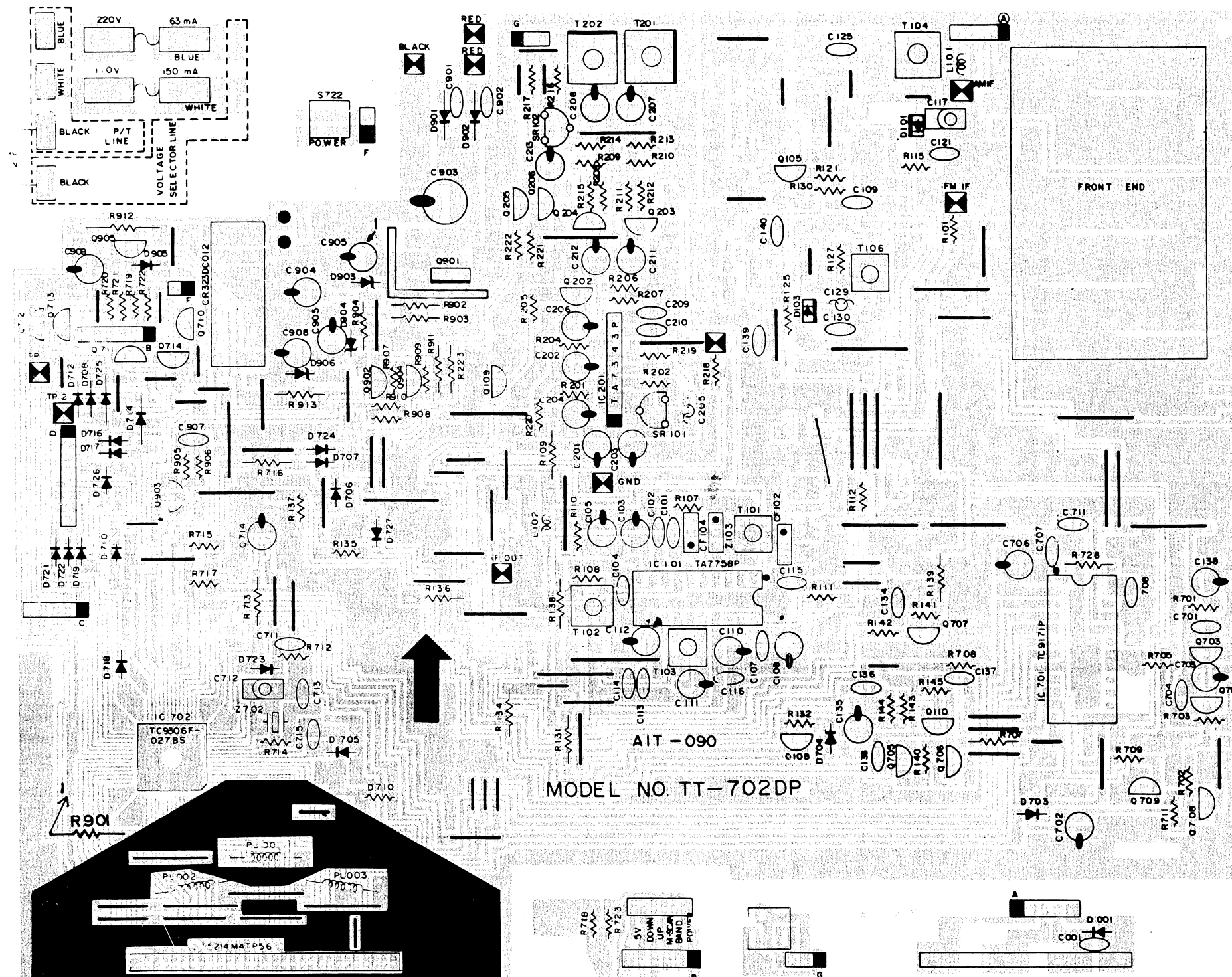
MODEL NO. TT-703DPL SCHEMATIC DIAGRAM



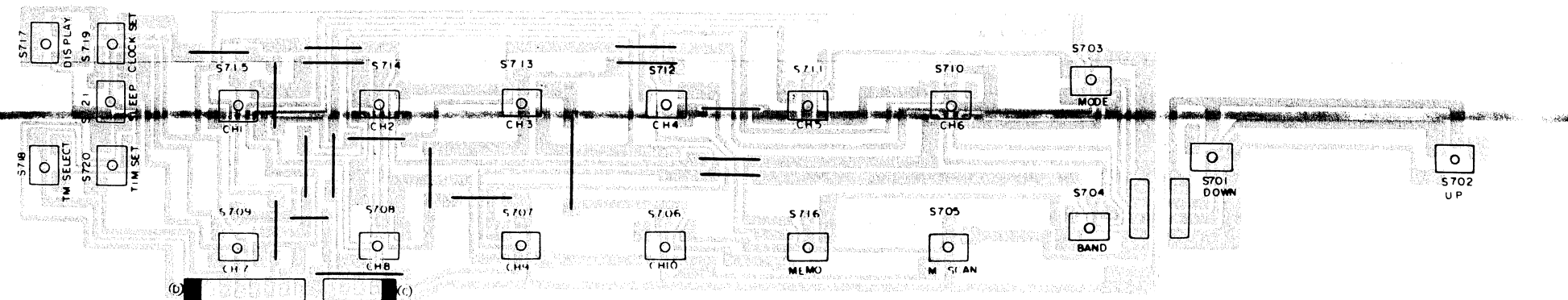
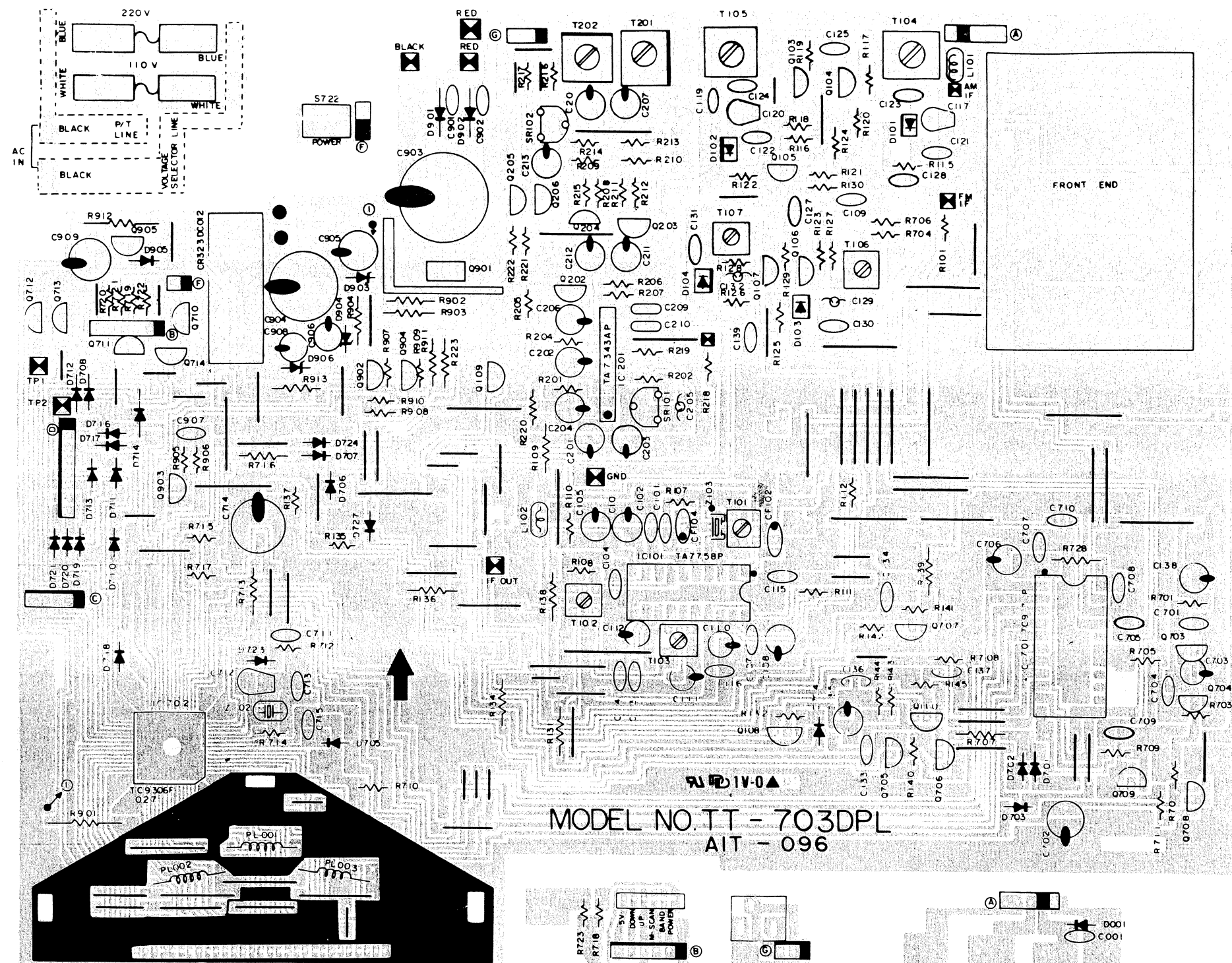
MODEL NO. TT-703DPS SCHEMATIC DIAGRAM



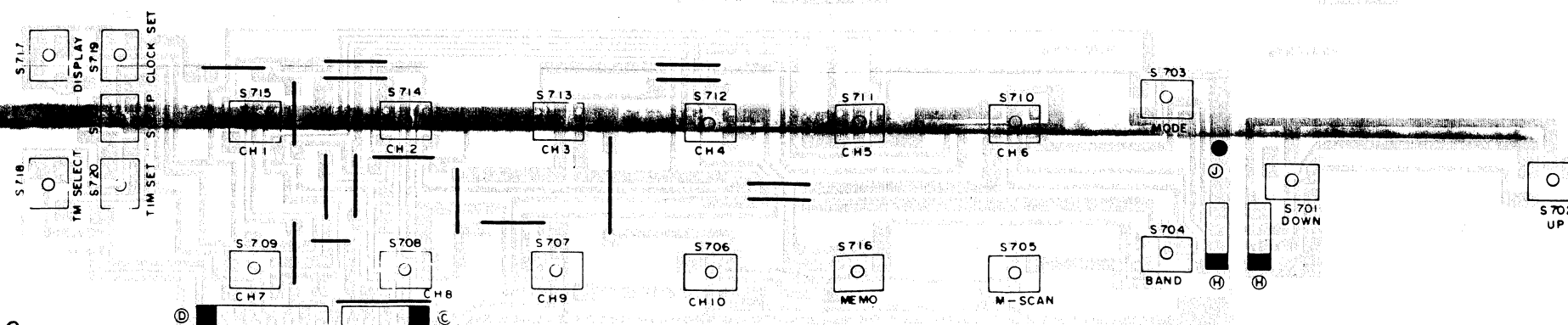
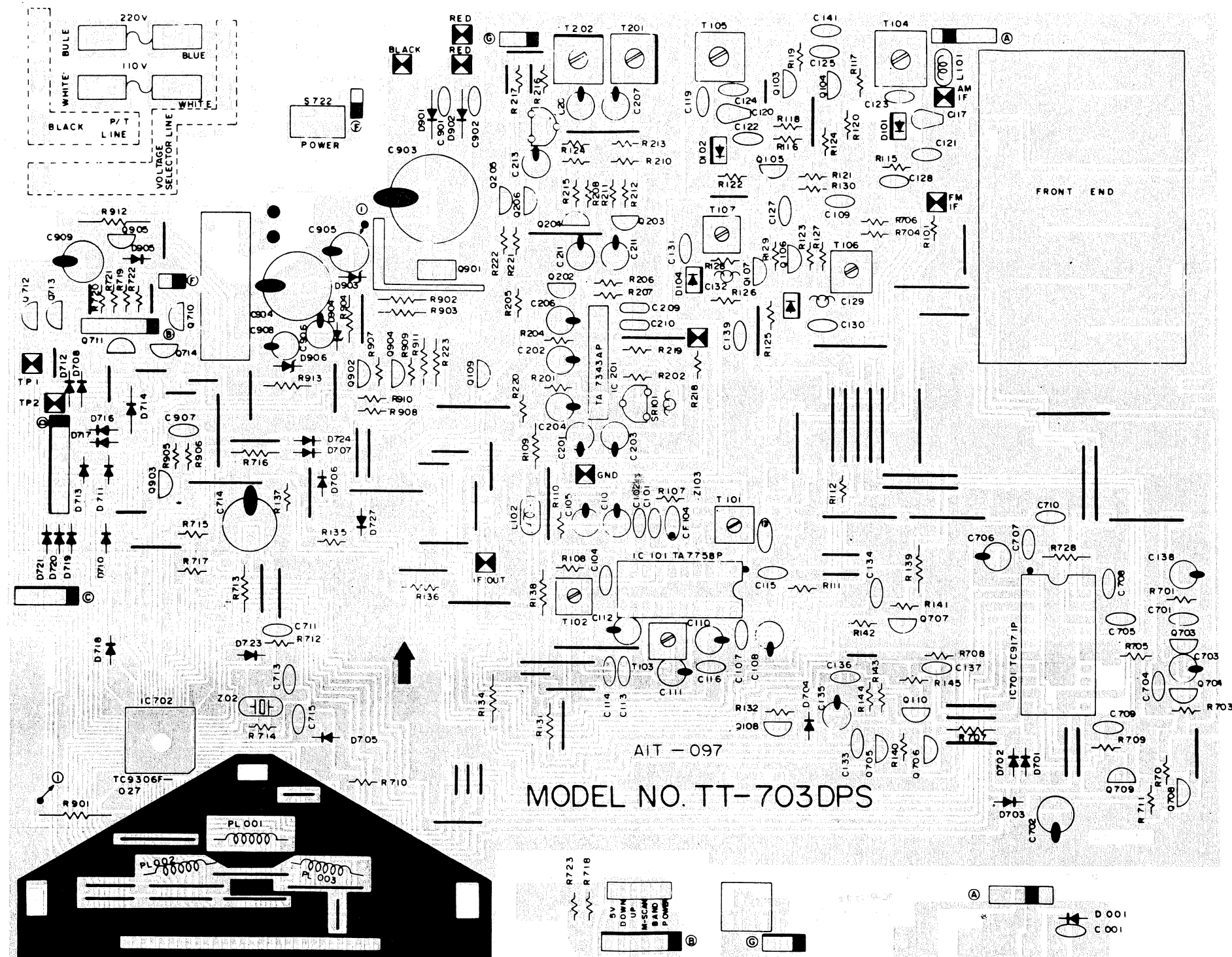
MODEL NO. TT-702DP PCB LAYOUT



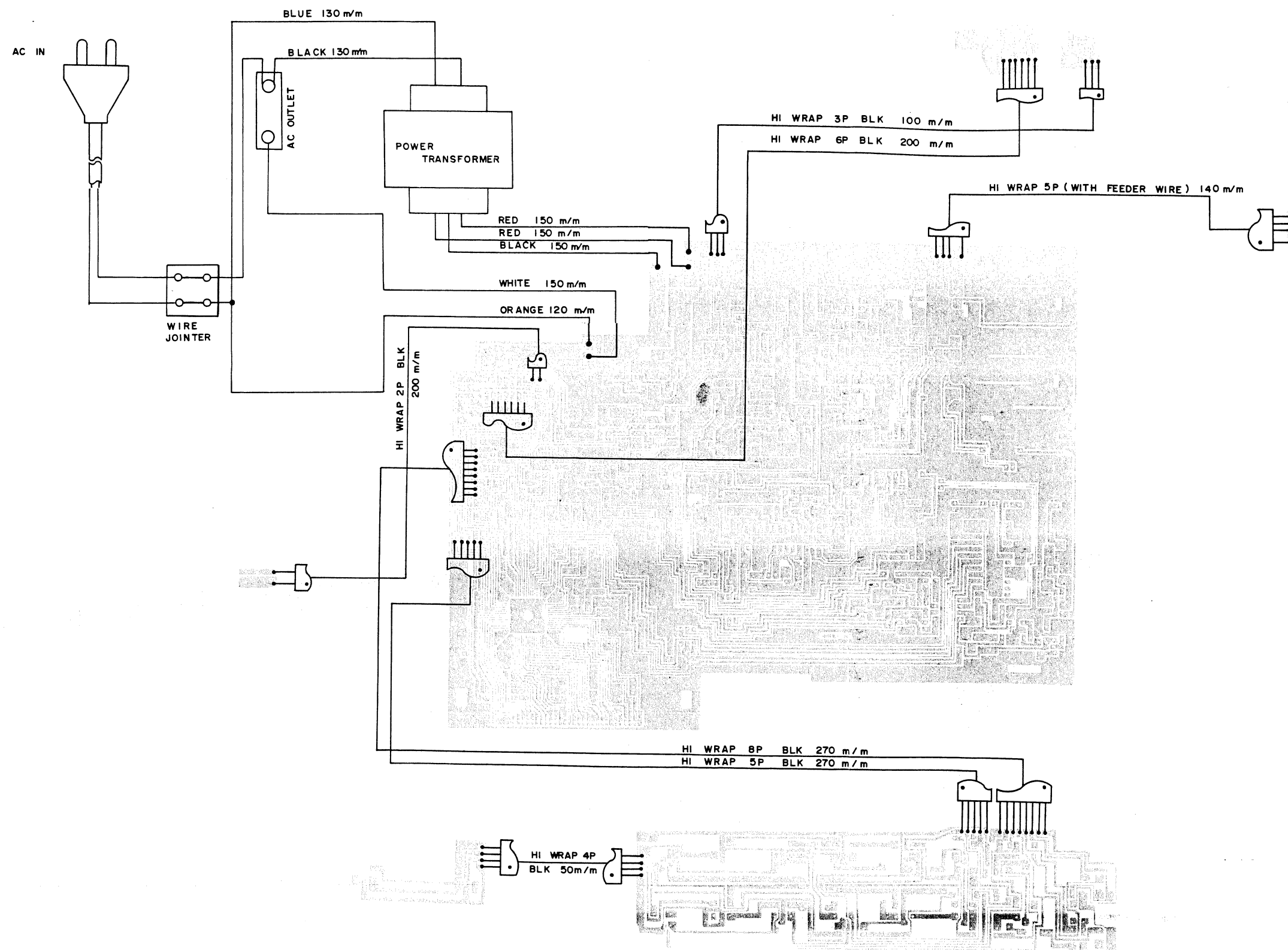
MODEL NO. TT-703DPL PCB LAYOUT



MODEL NO. TT-703DPS
PCB LAYOUT



MODEL NO. TT-702DP-703DPL-703DPS
WIRING DIAGRAM



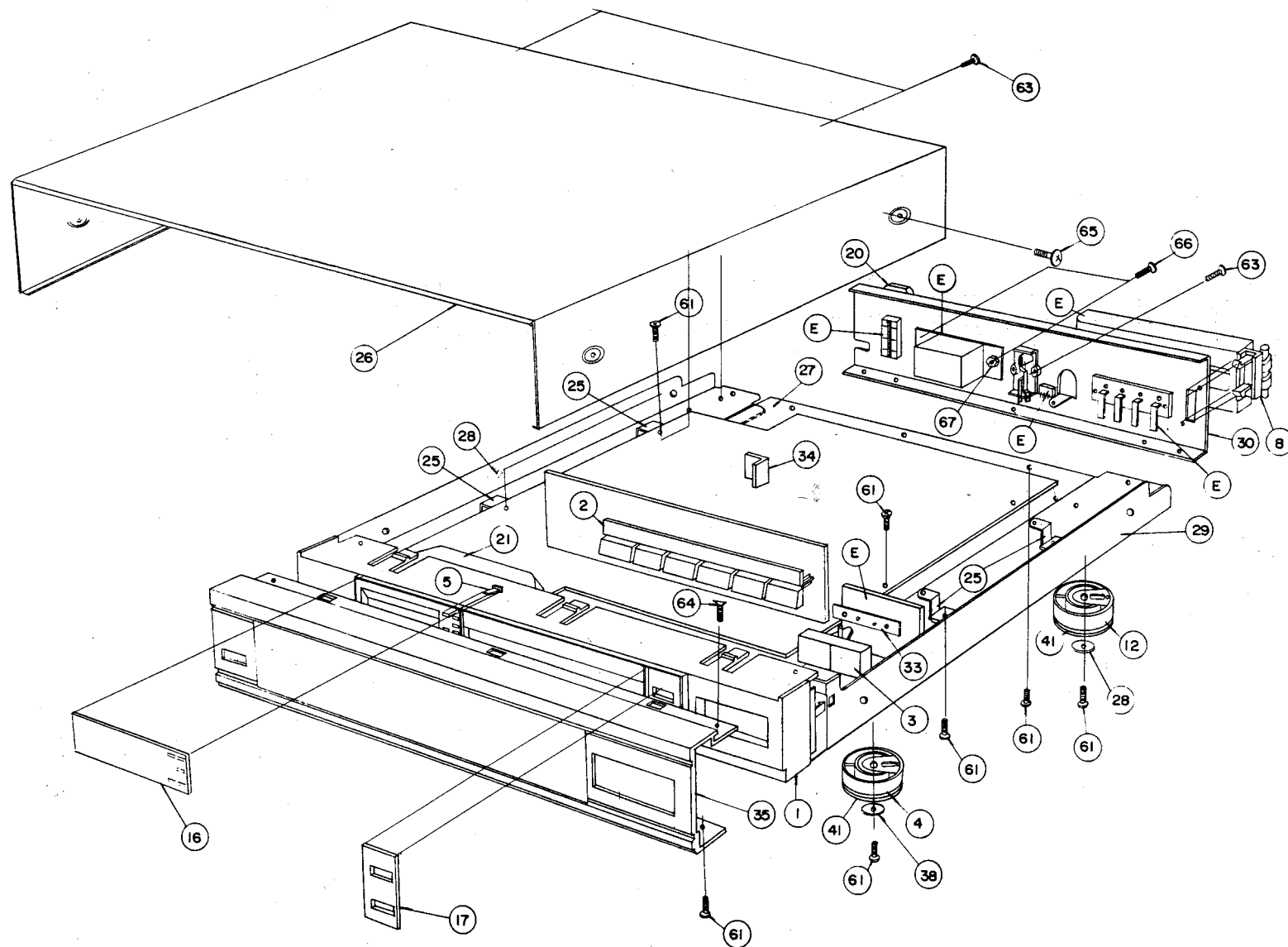
MODEL NO. TT-702DP



MODEL NO. TT-703DPL.DPS



MODEL NO. TT-702DP
EXPLODED VIEW



MODEL NO.TT-702DP
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q.TY | DESCRIPTION | LOCATION |
|--------------------------------|------|------|---------------------------|--|
| IC | PC | 1 | TC9306F 027BS | IC702 |
| IC | PC | 1 | TC9171P | IC701 |
| IC | PC | 1 | TA7758P | IC101 |
| IC | PC | 1 | TA7343AP | IC201 |
| LAMP | PC | 1 | 5V 115mA SL8804-05115 | PL001 |
| LAMP | PC | 2 | 12V 40mA SL8811-102040 | PL002, 003 |
| LCD | PC | 1 | LT5214M 4TP56 | |
| VVC DIODE | PC | 2 | ISV149, OR ISV149B (PAIR) | D101, 103 |
| X-TAL | PC | 1 | X-TAL 7200 | Z702 |
| SEMI FIXED RESISTOR | PC | 2 | SEMI VR 103B | SR101, 102 |
| TACT SWITCH | PC | 17 | KHH15902 | S701, 702, 703, 704, S705, 706, 707, 708, S709, 710, 711, 712, S713, 714, 715, 716, S722 S717, 718, 719, S720, 721 |
| TACT SWITCH | PC | 5 | KHH10902 | |
| PC BOARD | PC | 1 | AIT090 | |
| FRONT END | PC | 1 | OE1020, OR8-4-101 | |
| ANTENNA TERMINAL | PC | 1 | 4P, AS4-1028A | |
| RCA JACK | PC | 1 | 2P, AP2-0028 | |
| T-ANTENNA ASS'Y (W/Y TERMINAL) | PC | 1 | Z = 300OHM, L = 3.5m | |
| AM LOOP ANTENNA ASS'Y | PC | 1 | AAT-033 | |
| RELAY | PC | 1 | CR323DC012 | |
| POWER TRANSFORMER | PC | 1 | SAFETY STANDARD | |
| AC CORD W/PLUG | PC | 1 | SAFETY STANDARD | |
| AC OUTLET | PC | 1 | SAFETY STANDARD | |
| PHONE CORD | PC | 1 | 2P, RCA BOTH L:0.6m | |
| FM CERAMIC FILTER | PC | 2 | SFE10.7, MS2A | CF102, 104 |
| AM CERAMIC FILTER | PC | 1 | SFU450B | Z103 |
| CHOKE COIL | PC | 2 | 2.2uH, MOLDING | L101, 102 |
| LOW PASS FILTER COIL | PC | 2 | AMA001 | T201, 202 |
| MW ANTENNA COIL | PC | 1 | AAT035 | T104 |
| MW OSC COIL | PC | 1 | AAO-024 | T106 |
| AM IFT A | PC | 1 | AAA-013 | T101 |
| AM IFT (DET) | PC | 1 | AAD-004 | T103 |
| FM IFT (DET) | PC | 1 | AFD-007 | T102 |
| TRIMMER | PC | 2 | 30p, CVN-630 | C117, 712 |
| TRANSISTOR | PC | 1 | KTD880Y | Q901 |
| FET | PC | 1 | KTK161GR | Q105 |
| TRANSISTOR | PC | 16 | KTC1815-GR | Q109, 710, 711, 712, Q713, 714, 903, 905, Q203, 204, 205, 206, Q703, 704, 706, 709 Q110 |
| TRANSISTOR | PC | 1 | KTC1923-Y | Q108, 202, 705, 707, Q708, 902, 904 |
| TRANSISTOR | PC | 7 | KTA1015-GR | D901, 902 |
| RECTIFIER DIODE | PC | 2 | IN4001 | D001, 703, 704, 705, D706, 707, 708, 710, D712, 716, 717, D718, 719, 720, D721 |
| SI DIODE | PC | 21 | IS2473 | |

MODEL NO.TT-702DP
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q.TY | DESCRIPTION | LOCATION |
|------------------------|------|------|-----------------------------|---|
| ZENER DIODE | PC | 1 | 05AZ5.6 | D904 |
| ZENER DIODE | PC | 1 | 05AZ7.5 | D906 |
| ZENER DIODE | PC | 1 | 05AZ13 | D903 |
| CAPACITOR CERAMIC | PC | 3 | 50V, 1000pF, K B | #C114, 136, 137 |
| CAPACITOR CERAMIC | PC | 5 | 50V, 0.01uF, Z F | #C101, 102, 109, #C139, 704 #C113, 710 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 2200pF, K B | #C107, 115, 116, #C121 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907 |
| CAPACITOR CERAMIC | PC | 14 | 50V, 0.022uF, Z F | #C901, 902, 104 #C130 |
| CAPACITOR CERAMIC | PC | 3 | 50V, 0.047uF, Z F | #713 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 22pF, J SL | #C001 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 33pF, J SL | #C714 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 47pF, J SL | #C702 |
| CAPACITOR E/ALUMINUM | PC | 1 | 6.3V, 2200uF, M-S 13 x 20 | #C904 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 330uF, M-S 10 x 12.5 | #C903 |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 470uF, M-S 10 x 16 | #C203 |
| CAPACITOR E/ALUMINUM | PC | 1 | 35V, 1000uF, M-S 13 x 25 | #C108, 112, 706 |
| CAPACITOR E/ALUMINUM | PC | 1 | 10V, 100uF, M-T, 6.3 x 11 | #C111 |
| CAPACITOR E/ALUMINUM | PC | 3 | 16V, 10uF, M-T 4 x 7 | #C905, 909 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 22uF, M-T 5 x 11 | #C110, 908 |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 220uF, M-T 8 x 11.5 | #C138, 204, 206, #C207, 208, 211, #C212, 213, 703 |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 47uF, M-T 6.3 x 11 | #C105 |
| CAPACITOR E/ALUMINUM | PC | 9 | 50V, 1.0uF, M-T 4 x 7 | #C135, 201, 202 |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 2.2uF, M-T 4 x 7 | #C103 |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 3.3uF, M-T 4 x 7 | #C209, 210 |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 4.7uF, M-T 5 x 7 | #C205 |
| CAPACITOR F/POLYESTR | PC | 2 | 100V, 0.033uF, J-T 8.1 x 13 | #C129 |
| CAPACITOR STYROL | PC | 1 | 100V, 1000PF, J | #R145, 220 |
| CAPACITOR STYROL | PC | 1 | 100V, 470PF, J | #R143, 201, 219, #R701 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 100ohm, 5% | #R140, 142, 205, #R218, 702, 703, #R705, 711, 907, #R909 |
| RESISTOR CARBON FILM | PC | 4 | 1/5W, 1Kohm, 5% | #R115, 125, 709, #R712, 715 |
| RESISTOR CARBON FILM | PC | 10 | 1/5W, 10Kohm, 5% | #R204, 717, 718, #R719, 720, 721, #R722 |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 100Kohm, 5% | #R101, 130 |
| RESISTOR CARBON FILM * | PC | 7 | 1/5W, 150Kohm, 5% | #R206, 207 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 220ohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 2.2Kohm, 5% | |

MODEL NO.TT-702DP
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|--------|-------------------------|--|
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 22Kohm, 5% | #R110, 132 #R144 #R723 #R208, 211 #R107, 111, 121 #R212, 215, 216, #R217, 710, 714 #R141 #R112 #R908, 910 #R221, 222 #R127, 135, 137, #R708, 905, 906 #R209, 210 #R108, 202 #R213, 214 #R109, 911 #R716 #R707 #R903 #R728 #R904 #R139 #R223, 902 #R134 #R131, 136, 138 #R713 #R913 #R912 #105 #C906 #R901 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 220Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 240Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 270Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 330ohm, 5% | |
| RESISTOR CARBON FILM | PC | 6 | 1/5W, 3.3Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 33Kohm, 5% | #R110, 132 #R144 #R723 #R208, 211 #R107, 111, 121 #R212, 215, 216, #R217, 710, 714 #R141 #R112 #R908, 910 #R221, 222 #R127, 135, 137, #R708, 905, 906 #R209, 210 #R108, 202 #R213, 214 #R109, 911 #R716 #R707 #R903 #R728 #R904 #R139 #R223, 902 #R134 #R131, 136, 138 #R713 #R913 #R912 #105 #C906 #R901 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 47ohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 470ohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 4.7Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 6 | 1/5W, 47Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 56Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 6.8Kohm, 5% | #R110, 132 #R144 #R723 #R208, 211 #R107, 111, 121 #R212, 215, 216, #R217, 710, 714 #R141 #R112 #R908, 910 #R221, 222 #R127, 135, 137, #R708, 905, 906 #R209, 210 #R108, 202 #R213, 214 #R109, 911 #R716 #R707 #R903 #R728 #R904 #R139 #R223, 902 #R134 #R131, 136, 138 #R713 #R913 #R912 #105 #C906 #R901 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 820ohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 100ohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 10Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 100Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 180ohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 22ohm, 5% | #R110, 132 #R144 #R723 #R208, 211 #R107, 111, 121 #R212, 215, 216, #R217, 710, 714 #R141 #R112 #R908, 910 #R221, 222 #R127, 135, 137, #R708, 905, 906 #R209, 210 #R108, 202 #R213, 214 #R109, 911 #R716 #R707 #R903 #R728 #R904 #R139 #R223, 902 #R134 #R131, 136, 138 #R713 #R913 #R912 #105 #C906 #R901 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 220ohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 2.2Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 330ohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 4.7Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 47Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 560ohm, 5% | #R110, 132 #R144 #R723 #R208, 211 #R107, 111, 121 #R212, 215, 216, #R217, 710, 714 #R141 #R112 #R908, 910 #R221, 222 #R127, 135, 137, #R708, 905, 906 #R209, 210 #R108, 202 #R213, 214 #R109, 911 #R716 #R707 #R903 #R728 #R904 #R139 #R223, 902 #R134 #R131, 136, 138 #R713 #R913 #R912 #105 #C906 #R901 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 56Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/2W, 10ohm, 5% | |
| RESISTOR JUMPER WIRE | M | 6.3000 | 60mm-TX123 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 47uF, M-S 6.3 x 11 | |
| RESISTOR METAL OXIDE | PC | 1 | 2W, 68ohm, 5% | |

MODEL NO.TT-702DP
MECHANICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | REMARKS |
|--------------------|------|------|----------------------|---------|
| PANEL SUB | PC | 1 | | |
| KNOB TACT SW | PC | 2 | | |
| KNOB UP DOWN | PC | 1 | | |
| KNOB POWER TACT | PC | 1 | | |
| KNOB CLOCK | PC | 5 | | |
| KNOB SELECTOR | PC | 2 | | |
| HOLDER ANT TK | PC | 1 | | |
| FOOT | PC | 2 | | |
| FOOT | PC | 2 | | |
| PLATE CLOCK | PC | 1 | | |
| PLATE SELECTOR | PC | 1 | | |
| BUSH-CORD | PC | 1 | | |
| CASE LAMP 3518 | PC | 1 | | |
| SHEET DEFFUSE 70 | PC | 1 | | |
| CABLE TIE | PC | 5 | | |
| BRACKET PCB | PC | 5 | | |
| STEEL CABINET | PC | 1 | | |
| BOTTOM MAIN | PC | 1 | | |
| SIDE BTM L | PC | 1 | | |
| SIDE BTM R | PC | 1 | | |
| CHASSIS BACK | PC | 1 | | |
| SPRING UP DOWN | PC | 1 | | |
| HEAT SINK | PC | 1 | | |
| PANEL FRONT | PC | 1 | | |
| FIBER AC BLOCK | PC | 1 | | |
| WASHER PLAIN | PC | 2 | ø8 x 3.2 x 0.5t | |
| RECTANGLE WASHER B | PC | 2 | | |
| FIBER WASHER | PC | 2 | ø8 x 3.2 x 0.5t | |
| FOOT CUSHION | PC | 4 | | |
| CUSHION R, L | PC | 2 | | |
| GIFT BOX | PC | 1 | | |
| POLY BAG(S) | PC | 1 | | |
| WARRANTY CARD | PC | 1 | | |
| INSPECTION LABEL | PC | 1 | | |
| SILICAGEL | PC | 1 | | |
| LABEL 63 mA | PC | 1 | | |
| SCREW TAPPING | PC | 25 | BH T2T ø3 x 8 Fe-Zy | |
| SCREW TAPPING | PC | 9 | BH T2T ø3 x 10 Fe-Zy | |
| SCREW TAPPING | PC | 6 | BH T2T ø3 x 8 Fe-Zs | |
| SCREW TAPPING | PC | 2 | FH T2T ø3 x 8 Fe-Zs | |
| SCREW TAPPING | PC | 4 | BH T3T ø4 x 8 Fe-Zs | |
| SCREW TAPPING | PC | 1 | ø3 x 8 Fe-Zy | |
| SCREW MACHINE | PC | 2 | BH M4 x 8 Fe-Zs | |
| SCREW TAPPING | PC | 1 | BH T2T ø3 x 14 Fe-Zy | |

MODEL NO.TT-703DPL
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|--------------------------------|------|------|-------------------------|---|
| IC | PC | 1 | TC9306F 027BS | IC702 |
| IC | PC | 1 | TC9171P | IC701 |
| IC | PC | 1 | TA7758P | IC101 |
| IC | PC | 1 | TA7343AP | IC201 |
| LAMP | PC | 1 | 5V, 115mA SL8804-05115 | PL001 |
| LAMP | PC | 2 | 12V, 40mA SL8811-102040 | PL002, 003 |
| LCD | PC | 1 | LT5214M-4TP56 | |
| WC DIODE | PC | 4 | ISV149 OR ISV149BC | D101, 102, 103, D104 |
| X-TAL | PC | 1 | X-TAL 7200 | Z702 |
| SEMI FIXED RESISTOR | PC | 2 | SEMI VR 103B | SR101, 102 |
| TACT SWITCH | PC | 17 | KHH15902 | S701, 702, 703, S704, 705, 706, S707, 708, 709, S710, 711, 712, S713, 714, 715, S716, 722, S717, 718, 719, S720, 721 |
| TACT SWITCH | PC | 5 | KHH10902 | |
| PC BOARD | PC | 1 | AIT096 | |
| FRONT END | PC | 1 | 75ohm OE-1021 | |
| ANTENNA TERMINAL | PC | 1 | PAL 75ohm, AK 1/2-1058 | |
| RCA JACK | PC | 1 | CP2 4ø | |
| T-ANTENNA ASS'Y (W/Y TERMINAL) | PC | 1 | 75ohm, AFN-002 | |
| AM LOOP ANTENNA ASS'Y | PC | 1 | AAT-033 | |
| RELAY | PC | 1 | CR323DC012 | |
| POWER TRANSFORMER | PC | 1 | SAFETY STANDARD | |
| AC CORD W/PLUG | PC | 1 | SAFETY STANDARD | |
| WIRE JOINTER | PC | 1 | SAFETY STANDARD | |
| AC OUTLET | PC | 1 | SAFETY STANDARD | |
| PHONE CORD | PC | 1 | 2P RCA BOTH L:0.6m | |
| FM CERAMIC FILTER | PC | 2 | SFE10.7 MS2A | CF102, 104, |
| AM CERAMIC FILTER | PC | 1 | SFU450B | Z103 |
| LW ANTENNA COIL | PC | 1 | AAT-036 | T105 |
| CHOKE COIL | PC | 2 | 2.2uH, MOLDING | L101, 102 |
| LOW PASS FILTER COIL | PC | 2 | AMA001 | T201, 202 |
| MW ANTENNA COIL | PC | 1 | AAT-035 | T104 |
| MW OSC COIL | PC | 1 | AAO-024 | T106 |
| AM IFT A | PC | 1 | AAO-013 | T101 |
| AM IFT (DET) | PC | 1 | AAD-004 | T103 |
| FM IFT (DET) | PC | 1 | AFD-007 | D102 |
| LW OSC COIL | PC | 1 | AAO-025 | T107 |
| TRIMMER | PC | 3 | 30P CVN630 | C117, 712, 120 |
| TRANSISTOR | PC | 1 | KTD880Y | Q901 |
| FET | PC | 1 | KTK161GR | Q105 |
| TRANSISTOR | PC | 18 | KTC1815GR | Q203, 204, 205, Q206, 703, 704, Q709, 109, 710, Q711, 712, 713, Q714, 903, 905, Q103, 104 Q110 |
| TRANSISTOR | PC | 1 | KTC1923Y | |

MODEL NO.TT-703DPL
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|-----------------------------|--|
| TRASISTOR | PC | 7 | KTA1015GR | Q108, 202, 705, Q707, 708, 902, Q904 |
| TRANSISTOR | PC | 2 | 2SC2878A | Q106, 107 |
| RECTIFIER DIODE | PC | 2 | IN4001 | D901, 902 |
| SI DIODE | PC | 24 | IS2473 | D723, 724, 725 D726, 905, 701, D702, 001, 703, D704, 705, 706, D707, 708, 710, D712, 716, 717, D718, 719, 720, D721 |
| ZENER DIODE | PC | 1 | 05AZ5.6 | D904 |
| ZENER DIODE | PC | 1 | 05AZ7.5, 7.5 V | D906 |
| ZENER DIODE | PC | 1 | 05AZ13, 13 V | D903 |
| CAPACITOR CERAMIC | PC | 3 | 50V, 1000pF, K B | #C114, 136, 137 |
| CAPACITOR CERAMIC | PC | 5 | 50V, 0.01uF, Z F | #C101, 102, 109, #C139, 704 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 2200pF, K B | #C113, 710 |
| CAPACITOR CERAMIC | PC | 17 | 50V, 0.022uF, Z F | #C107, 115, 116, #C121, 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907 |
| CAPACITOR CERAMIC | PC | 4 | 50V, 0.047uF, Z F | #C104, 901, 902, #C127 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 22pF, J SL | #C130 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 33pF, J SL | #C713 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 47pF, J SL | #C001 |
| CAPACITOR CERAMIC | PC | 17 | 50V, 82pF, J SL | #C119 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 150pF, J SL | #C131 |
| CAPACITOR E/ALUMINUM | PC | 1 | 6.3V, 2200uF, M-S 13 x 20 | #C714 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 330uF, M-S 10 x 12.5 | #C702 |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 470uF, M-S 10 x 16 | #C904 |
| CAPACITOR E/ALUMINUM | PC | 1 | 1000uF, M-S 13 x 25 | #C903 |
| CAPACITOR E/ALUMINUM | PC | 1 | 10V, 100uF, M-T 6.3 x 11 | #C203 |
| CAPACITOR E/ALUMINUM | PC | 3 | 16V, 10uF, M-T, 4 x 7 | #C108, 112, 706 |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 220uF, M-T 8 x 11.5 | #C905, 909 |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 47uF, M-T 6.3 x 11 | #C110, 908 |
| CAPACITOR E/ALUIMNUM | PC | 9 | 50V, 1.0uF, M-T 4 x 7 | #C138, 204, 206, #C207, 208, 211, #C212, 213, 703 |
| CAPACITOR E/ALUMINUM | PC | | 50V, 2.2uF, M-T 4 x 7 | #C105 |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 3.3uF, M-T 4 x 7 | #C135, 201, 202 |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 4.7uF, M-T 5 x 7 | #C103 |
| CAPACITOR F/POLYESTR | PC | 2 | 100V, 0.033uF, J-T 8.1 x 13 | #C209, 210 |
| CAPACITOR STYROL | PC | 1 | 100V, 1000pF, J | #C205 |
| CAPACITOR STYROL | PC | 1 | 100V, 470pF J | #C129 |
| CAPACITOR STYROL | PC | 1 | 100V, 220pF, J | #C132 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 100ohm, 5% | #R145, 220 |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 1Kohm, 5% | #R143, 201, 219, #R701, 123 |

MODEL NO. TT-703DPL
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|--------|-------------------------|--|
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 22uF, M-T 5 x 11 | #C111 |
| RESISTOR CARBON | PC | 12 | 1/5W, 10Kohm, 5% | #R140, 142, 205, #R218, 702, 703, #R704, 705, 706 #R711, 907, 909 |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 100Kohm, 5% | #R115, 125, 709, #R712, 715 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 150Kohm, 5% | #R204, 717, 718, #R719, 720, 721, #R722 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 220ohm, 5% | #R101, 130 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 2.2Kohm, 5% | #R206, 207 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 22Kohm, 5% | #R110, 132 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 220Kohm, 5% | #R144, 120, 124 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 240Kohm, 5% | #R723 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 270Kohm, 5% | #R208, 211 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 330ohm, 5% | #R107, 111, 121 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 3.3Kohm, 5% | #R212, 215, 216, #R217, 710, 714, #R119 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 33Kohm, 5% | #R141 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 47ohm, 5% | #R112 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 470ohm, 5% | #R908, 910 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 4.7Kohm, 5% | #R221, 222 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 47Kohm, 5% | #R127, 135, 137, #R708, 905, 906, #R128 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 56Kohm, 5% | #R209, 210 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 6.8Kohm, 5% | #R108, 202 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 820ohm, 5% | #R213, 214 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 68Kohm, 5% | #R118 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 100ohm, 5% | #R109, 911 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 10Kohm, 5% | #R716 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 100Kohm, 5% | #R707 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 180ohm, 5% | #R903 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 22ohm, 5% | #R728 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 220ohm, 5% | #R904 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 2.2Kohm, 5% | #R139 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 330ohm, 5% | #R223, 902 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 4.7Kohm, 5% | #R134 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 47Kohm, 5% | #R131, 136, 138 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 560ohm, 5% | #R713 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 56Kohm, 5% | #R913 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 56Kohm, 5% | #R912 |
| RESISTOR CARBON FILM | PC | 1 | 1/2W, 10ohm, 5% | #R912 |
| RESISTOR CARBON FILM | PC | 1 | 60mm-TX123 | #/105 |
| RESISTOR JUMPER WIRE | M | 6.3000 | 16V, 47uF, M-S 6.3 x 11 | #C906 |
| CAPACITOR E/ALUMINUM | PC | 1 | 2W, 68ohm, 5% | #R901 |
| RESISTOR METAL OXIDE | PC | 1 | | |

MODEL NO. TT-703DPS
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|--------------------------------|------|------|--------------------------|---|
| IC | PC | 1 | TC9306F 027BS | IC702 |
| IC | PC | 1 | TC9171P | IC701 |
| IC | PC | 1 | TA7758P | IC101 |
| IC | PC | 1 | TA7343AP | IC201 |
| LAMP | PC | 1 | 5V, 115mA, SL8804-05115 | PL001 |
| LAMP | PC | 2 | 12V, 40mA, SL8811-102040 | PL002, 003 |
| LCD | PC | 1 | LT5214M-4TP56 | |
| VVC DIODE | PC | 4 | ISV149 or ISV149B (PAIR) | D101, 102, 103, D104 |
| X-TAL | PC | 1 | X-TAL 7200 | Z702 |
| SEMI FIXED RESISTOR | PC | 2 | SEMI VR103B | SR101, 102 |
| TACT SWITCH | PC | 17 | KHH15902 | S701, 702, 703, S704, 705, 706, S707, 708, 709, S710, 711, 712, S713, 714, 715, S716, 722 |
| TACT SWITCH | PC | 5 | KHH10902 | S717, 718, 719, S720, 721 |
| PC BOARD | PC | 1 | AIT097 | |
| FRONT END | PC | 1 | 75ohm, OE-1021 | |
| ANTENNA TERMINAL | PC | 1 | PAL 75ohm, AK 1/2-1028 | |
| RCA JACK | PC | 1 | CP2 40 | |
| T-ANTENNA ASS'Y (W/Y TERMINAL) | PC | 1 | 75 ohm, AFN-002 | |
| AM LOOP ANTENNA ASS'Y | PC | 1 | AAT-033 | |
| RELAY | PC | 1 | CR323DC012 | |
| WIRE JOINTER | PC | 1 | SAFETY STANDARD | |
| POWER TRANSFORMER | PC | 1 | SAFETY STANDARD | |
| AC CORD W/PLUG | PC | 1 | SAFETY STANDARD | |
| AC OUTLET | PC | 1 | SAFETY STANDARD | |
| PHONE CORD | PC | 1 | 2P RCA BOTH L:0.6m | |
| FM CERAMIC FILTER | PC | 2 | SFE 10.7 MS2A | CF102, 104, |
| AM CERAMIC FILTER | PC | 1 | SFU450B | Z103 |
| SW ANTENNA COIL | PC | 1 | AAT-037 | T105 |
| CHOKE COIL | PC | 2 | 2.2uH MOLDING | L101, 102 |
| LOW PASS FILTER COIL | PC | 2 | AMA-001 | T201, 202 |
| MW ANTENNA COIL | PC | 1 | AAT-035 | T104 |
| MW OSC COIL | PC | 1 | AAO-024 | T106 |
| AM IFT A | PC | 1 | AAA-013 | T101 |
| AM IFT (DET) | PC | 1 | AAD-004 | T103 |
| FM IFT (DET) | PC | 1 | AFD-007 | T102 |
| SW OSC COIL | PC | 1 | AAT-026 | T107 |
| TRIMMER | PC | 3 | 30P CVN630 | C117, 712, 120 |
| TRANSISTOR | PC | 1 | KTD880Y | Q901 |
| FET | PC | 1 | KTK161GR | Q105 |
| TRANSISTOR | PC | 18 | KTC1815GR | Q109, 710, 711, Q712, 713, 714, Q903, 905, 103, Q104, 203, 204, Q205, 206, 703, Q704, 706, 709 |
| TRANSISTOR | PC | 1 | KTC1923Y | Q110 |

MODEL NO.TT-703DPS
ELECTRICAL PARTS

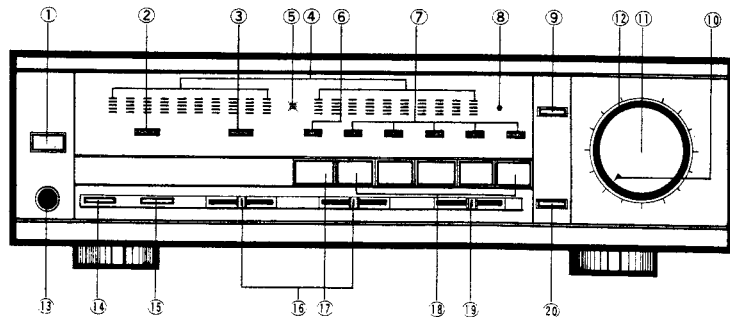
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | REMARKS |
|----------------------|------|------|-----------------------------|---|
| TRANSISTOR | PC | 7 | KTA1015-GR | Q108, 202, 705, Q707, 708, 902, Q904 |
| TRANSISTOR | PC | 2 | 2SC2878A | Q106, 107 |
| RECTIFIER DIODE | PC | 2 | IN4001 | D901, 902 |
| SI DIODE | PC | 24 | IS2473 | D001, 703, 704, D705, 706, 707, D708, 710, 712, D716, 717, 718, D719, 720, 721, D723, 724, 726, D905, 701, 702, D713 |
| ZENER DIODE | PC | 1 | 05AZ5.6 | D904 |
| ZENER DIODE | PC | 1 | 05AZ7.5 | D906 |
| ZENER DIODE | PC | 1 | 05AZ13 | D903 |
| CAPACITOR CERAMIC | PC | 3 | 50V, 1000pF, K B | #C114, 136, 137 |
| CAPACITOR CERAMIC | PC | 5 | 50V, 0.01uF, Z F | #C101, 102, 109, #C139, 704 #C113, 710 #C107, 115, 116, #C121, 122, 123, #C124, 125, 133, #C134, 140, 701, #C707, 708, 711, #C715, 907 #C104, 901, 902 #C130 #C713 #C001 #C131 #C714 #C702 #C904 #C903 #C203 #C108, 112, 706 #C111 #C905, 909 #C110, 908 #C138, 204, 206, #C207, 208, 211, #C212, 213, 703 #C105 #C135, 201, 202, #C103 #C209, 210 #C205 #C129 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 2200pF, K B | |
| CAPACITOR CERAMIC | PC | 17 | 50V, 0.022uF, Z F | |
| CAPACITOR CERAMIC | PC | 3 | 50V, 0.047uF, Z F | |
| CAPACITOR CERAMIC | PC | 1 | 50V, 22pF, J SL | |
| CAPACITOR CERAMIC | PC | 1 | 50V, 33pF, J SL | |
| CAPACITOR CERAMIC | PC | 1 | 50V, 47pF, J SL | |
| CAPACITOR CERAMIC | PC | 1 | 50V, 6pF, J SL | |
| CAPACITOR E/ALUMINUM | PC | 1 | 6.3V, 2200uF, M-S 13 x 20 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 330uF, M-S 10 x 12.5 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 470uF, M-S 10 x 16 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 35V, 1000uF, M-S 13 x 25 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 10V, 100uF, M-T 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 16V, 10uF, M-T 4 x 7 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 22uF, M-T 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 220uF, M-T 8 x 11.5 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 47uF, M-T 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 9 | 50V, 1.0uF, M-T 4 x 7 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 2.2uF, M-T 4 x 7 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 3.3uF, M-T 4 x 7 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 4.7uF, M-T 5 x 7 | |
| CAPACITOR F/POLYESTR | PC | 2 | 100V, 0.033uF, J-T 8.1 x 13 | |
| CAPACITOR STYROL | PC | 1 | 100V, 1000pF, J | |
| CAPACITOR STYROL | PC | 1 | 100V, 470pF, J | |

MODEL NO.TT-703DPS
ELECTRICAL PARTS

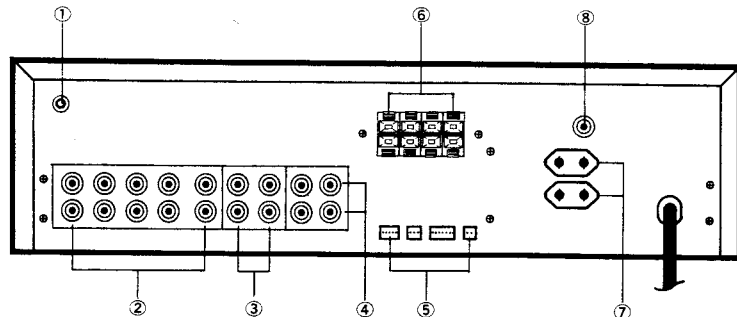
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|--------|-------------------------|--|
| CAPACITOR STYROL | PC | 1 | 100V, 2700pF, J | #C132 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 100ohm, 5% | #R145, 220 |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 1Kohm, 5% | #R143, 201, 219, #R701, 123 |
| RESISTOR CARBON FILM | PC | 12 | 1/5w, 10Kohm, 5% | #R140, 142, 205, #R218, 702, 703, #R705, 711, 907, #R909, 704, 706, |
| RESISTOR CARBON FILM | PC | 11 | 1/5W, 100Kohm, 5% | #R115, 116 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 150Kohm, 5% | #R204, 717, 718, #R719, 720, 721, #R722 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 220ohm, 5% | #R101, 130 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 2.2Kohm, 5% | #R206, 207 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 22Kohm, 5% | #R110, 132 |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 220Kohm, 5% | #R144, 120, 124 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 240Kohm, 5% | #R723 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 270Kohm, 5% | #R208, 211 |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 330ohm, 5% | #R107, 111, 121 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 3.3Kohm, 5% | #R212, 215, 216, #R217, 710, 714, #R119 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 33Kohm, 5% | #R141 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 47ohm, 5% | #R112 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 470ohm, 5% | #R908, 910 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 4.7Kohm, 5% | #R221, 222 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 47Kohm, 5% | #R127, 135, 137, #R708, 905, 128, #R906 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 56Kohm, 5% | #R209, 210 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 6.8Kohm, 5% | #R108, 202 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 820ohm, 5% | #R213, 214 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 100ohm, 5% | #R109, 911 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 10Kohm, 5% | #R716 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 100Kohm, 5% | #R707 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 180ohm, 5% | #R903 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 22ohm, 5% | #R728 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 220ohm, 5% | #R904 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 2.2Kohm, 5% | #R139 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 330ohm, 5% | #R223, 902 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 4.7Kohm, 5% | #R134 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 47Kohm, 5% | #R131, 136, 138 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 560ohm, 5% | #R713 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 56Kohm, 5% | #R913 |
| RESISTOR CARBON FILM | PC | 1 | 1/2W, 10ohm, 5% | #R912 |
| RESISTOR JUMPER WIRE | M | 6,3000 | 60mm-TX123 | #/105 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 47uF, M-S 6.3 x 11 | #C906 |
| RESISTOR METAL OXIDE | PC | 1 | 2W, 68ohm, 5% | #R901 |

MODEL NO. TA-705BR HI-FI STEREO AMPLIFIER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

- Power On/Stand By Switch**
Each time you depress the button repeatedly is repeated POWER ON, STAND BY condition.
- Remote/Stand By LED**
This LED indicates STAND BY condition.
- Muting LED**
This LED turns into ON when depressing MUTE button of REMOTE control box TRM-718BR and sound level is downed.
- Power Level Meters**
These meters indicate the peak (instantaneous) power output levels when using 8 ohm speakers.
- Surround LED**
This LED indicates surround ON condition.

- Tape Monitor LED**
This LED indicates tape monitor condition.
- Source LED**
This LED indicates source condition (PHONO, CDP, TUNER, DAT, VIDEO).
- Remote Receiver**
This is equipment to receive remote signal from REMOTE control box TRM-718BR.
- Meter Range Switch**
 - × 1 : It is a meter scale when output is 80 watt.
 - × 0.1 : It is a meter scale when output is 8 watt.
- Volume LED**
This LED indicates volume location.
- Volume Control Knob**
Turn the knob to adjust the volume level.
- Volume Back Lighting**
This is a lamp for definition to volume location.

- Phones Jack**
Plug in this jack when listening through headphones. Then speaker output condition has nothing to do with phones jack ON/OFF.
- Speaker On/Off Switch**
 - ON : Front (Main) speaker can be operated.
 - OFF : Front (Main) speaker cannot be operated.
- Loudness Switch**
Depress this switch for listening at very low volume levels. The loudness circuit emphasizes the lower frequency regions for a natural tonal balance at low volume levels.
- Tone Control**
Slide the knobs rightward from the center zero (Flat) position to emphasize bass or treble tones. Slide leftward to attenuate (Decrease) bass or treble tones.
- Tape Monitor Switch**
This switch is used for playback or recording with a tape deck TD-703DMS. The programme source with the function selectors can be heard by setting this switch to the OFF position. With the switch in the ON position, playback from a tape deck connected to the tape jacks can be monitored.
- Function Selectors**
Choose the desired programme source by buttons:
 PHONO: For a turn table.
 CDP : For a compact disk player.
 TUNER: For a tuner.
 DAT : For a digital audio tape recorder.
 VIDEO : For a video.
- Balance Control**
Slide this knob to adjust volume balance between left and right speakers.
- Surround On/Off Switch**
 - ON : Rear (Surround) speaker can be operated.
 - OFF: Rear (Surround) speaker cannot be operated.

REAR PANEL CONNECTIONS

- GND**
It is recommended that the ground wires of the components used along with the unit are connected to these terminals.
Make absolutely sure that ground wire of the turn table is connected to the terminal since this will eliminate the noise caused by the phonomotor to a great extent.
- PHONO, CDP, TUNER, DAT, VIDEO, Jacks**
- Tape Connecting Jacks**
REC : Connect (Line in), (Rec) terminal of the DECK to this terminal.

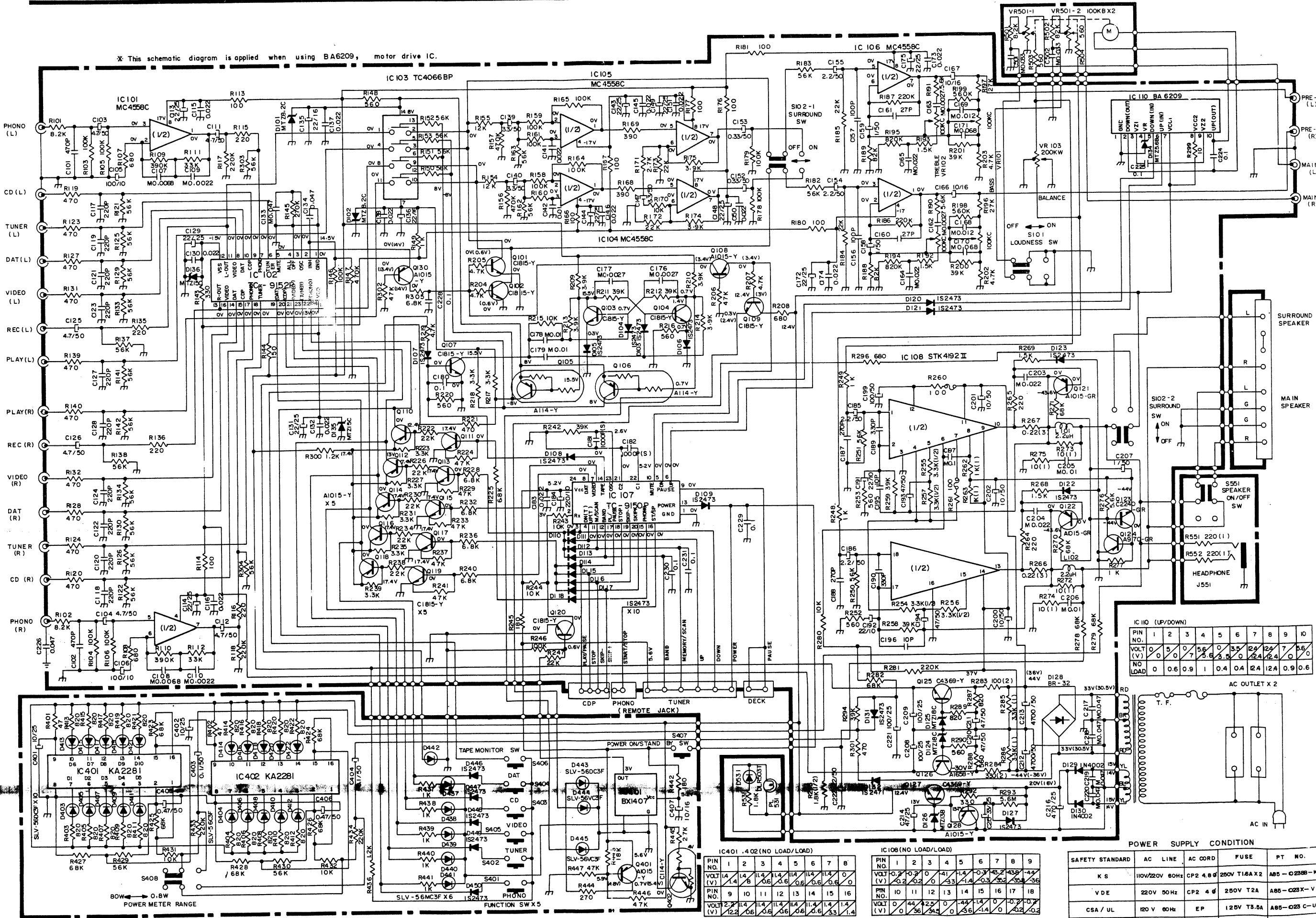
PLAY: Connect (Line out), (PLAY) terminal of the DECK to this terminal.

- Preout, Main in Connection Terminals**
- Remote Jacks**
 CDP : Connect with remote jack of compact disc player.
 PHONO: Connect with remote jack of turn table.
 TUNER : Connect with remote jack of tuner.
 DECK : Connect with remote jack of deck.
- Speakers Connection Terminals**
- AC Outlet**
These outlets are used to supply power to the components.
These outlets are not coupled to the unit's power switch. Once the power switch of a component connected to these outlets are set to ON, power will be supplied even if the unit's power switch is set to OFF. The maximum rating of these outlets is a total of 150 watts.
- AC Fuse Holder**

SPECIFICATIONS

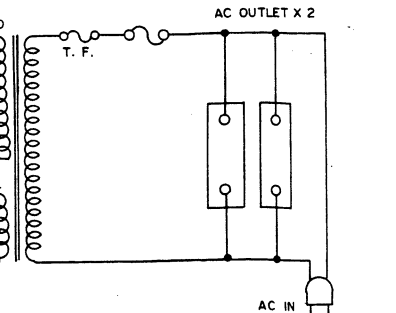
| | |
|-----------------------------|---|
| Power Output | : Main Output: 50 W + 50 W (8 ohm, THD. 0.05%) Surround: 25 W + 25 W (8 ohm, THD 0.05%) |
| Max Output | : 120 W + 120 W (8 ohm) |
| T.H.D. | : 0.02% |
| Power Bandwidth | : 10 Hz - 30 KHz |
| Frequency Response | : 10 Hz - 50 KHz |
| Load Impedance | : Main - 8 ohm Surround - 8 ohm |
| S/N Ratio (Jis a Filter) | : 90 dB (Dat) |
| Input Sensitivity | : Phono 2.5 mV/47 Kohm Tuner 150 mV/47 Kohm CDP/DAT/Video/Tape 150 mV/47 Kohm |
| Tone Control | : Bass ± 8 dB (100 Hz) Treble ± 8 dB (10 KHz) |
| Power Supply Voltage | : Safety Standard |
| Power Consumption | : 233 W |
| Dimensions | : 420(W) × 108(H) × 255(D) mm |
| Weight | : 7 Kg |

MODEL NO. TA-705BR
SCHEMATIC DIAGRAM



IC110 (UP/DOWN)

| PIN NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------|---|-----|-----|---|-----|-----|-----|-----|-----|-----|
| VOLT (V) | 0 | 5 | 0 | 5 | 0 | 3 | 5 | 0 | 2 | 5 |
| NO LOAD | 0 | 0.6 | 0.9 | 1 | 0.4 | 0.4 | 1.2 | 1.4 | 0.9 | 0.6 |



POWER SUPPLY CONDITION

| SAFETY STANDARD | AC LINE | AC CORD | FUSE | PT. NO. |
|-----------------|----------------|---------|---------------|---------------|
| K S | 110V/220V 60Hz | CP2 4.8 | 250V T1.6A X2 | A85 - 025BR-K |
| VDE | 220V 50Hz | CP2 4.8 | 250V T2A | A85 - 023X-V |
| CSA/UL | 120V 60Hz | EP | 125V T3.5A | A85 - 023 C-U |
| SAA | 240V 50Hz | AP2 | 250V T2A | A85 - 023 Z-B |

IC108 (NO LOAD/LOAD)

| PIN NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------|---|-----|-----|---|-----|-----|-----|-----|-----|
| VOLT (V) | 0 | 0.7 | 0.7 | 0 | 4.1 | 1.4 | 0.7 | 4.3 | 4.4 |
| NO LOAD | 0 | 0.2 | 0.2 | 0 | 5.3 | 1.4 | 0.3 | 5.3 | 5.6 |

IC109 (NO LOAD/LOAD)

| PIN NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------|---|-----|-----|---|-----|-----|---|-----|-----|
| VOLT (V) | 0 | 4.4 | 2.5 | 0 | 4.4 | 1.4 | 0 | 0.7 | 0.7 |
| NO LOAD | 0 | 4.4 | 2.5 | 0 | 4.4 | 1.4 | 0 | 0.7 | 0.7 |

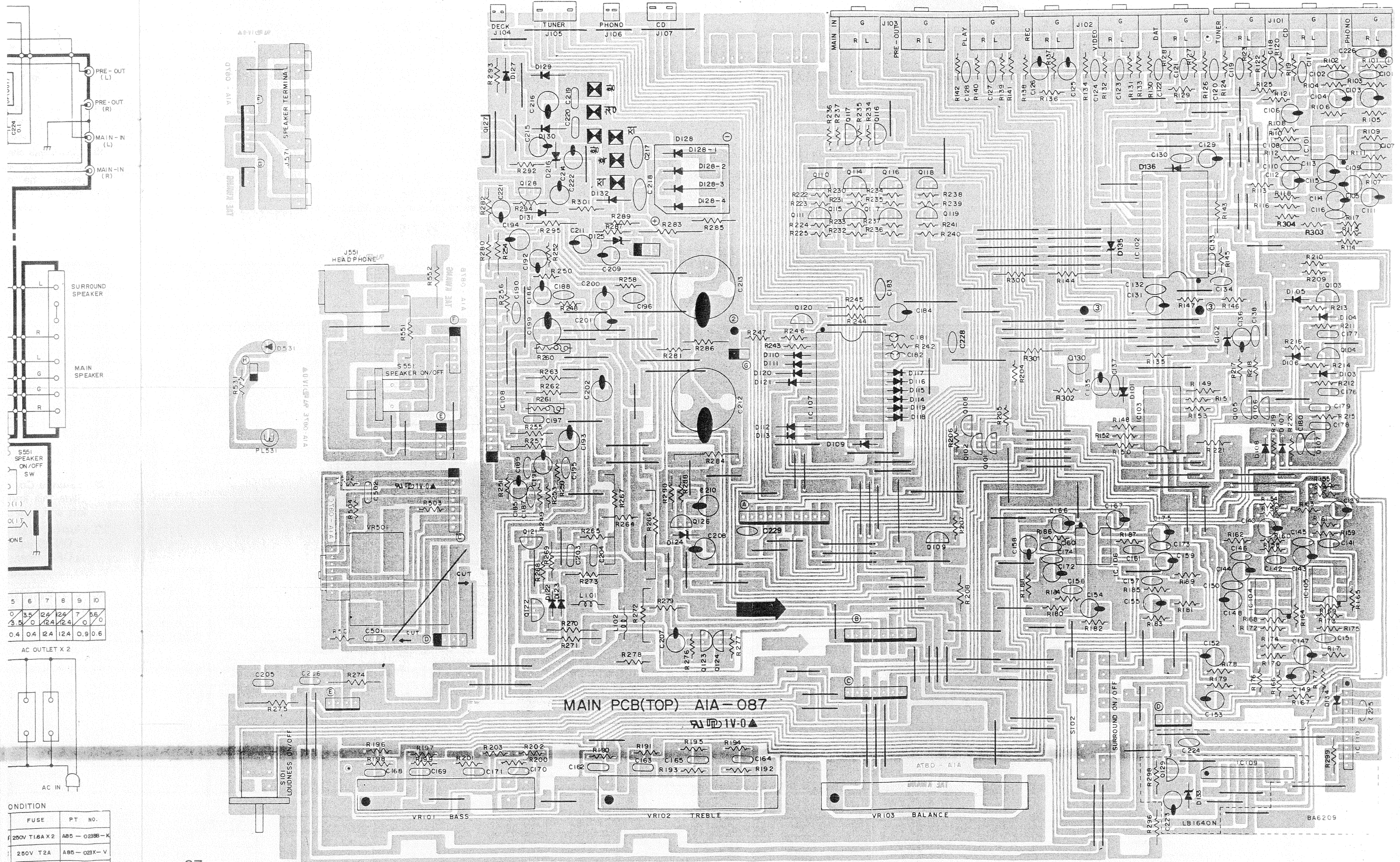
IC401 .402 (NO LOAD/LOAD)

| PIN NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------|-----|-----|-----|-----|-----|-----|-----|---|
| VOLT (V) | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0 |
| NO LOAD | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0 |

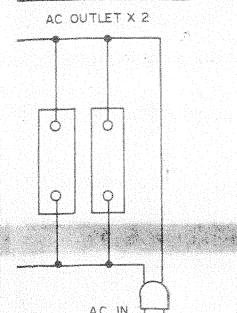
80W → 0.8W
POWER METER RANGE

FUNCTION SW X5

MODEL NO. TA-705BR PCB LAYOUT

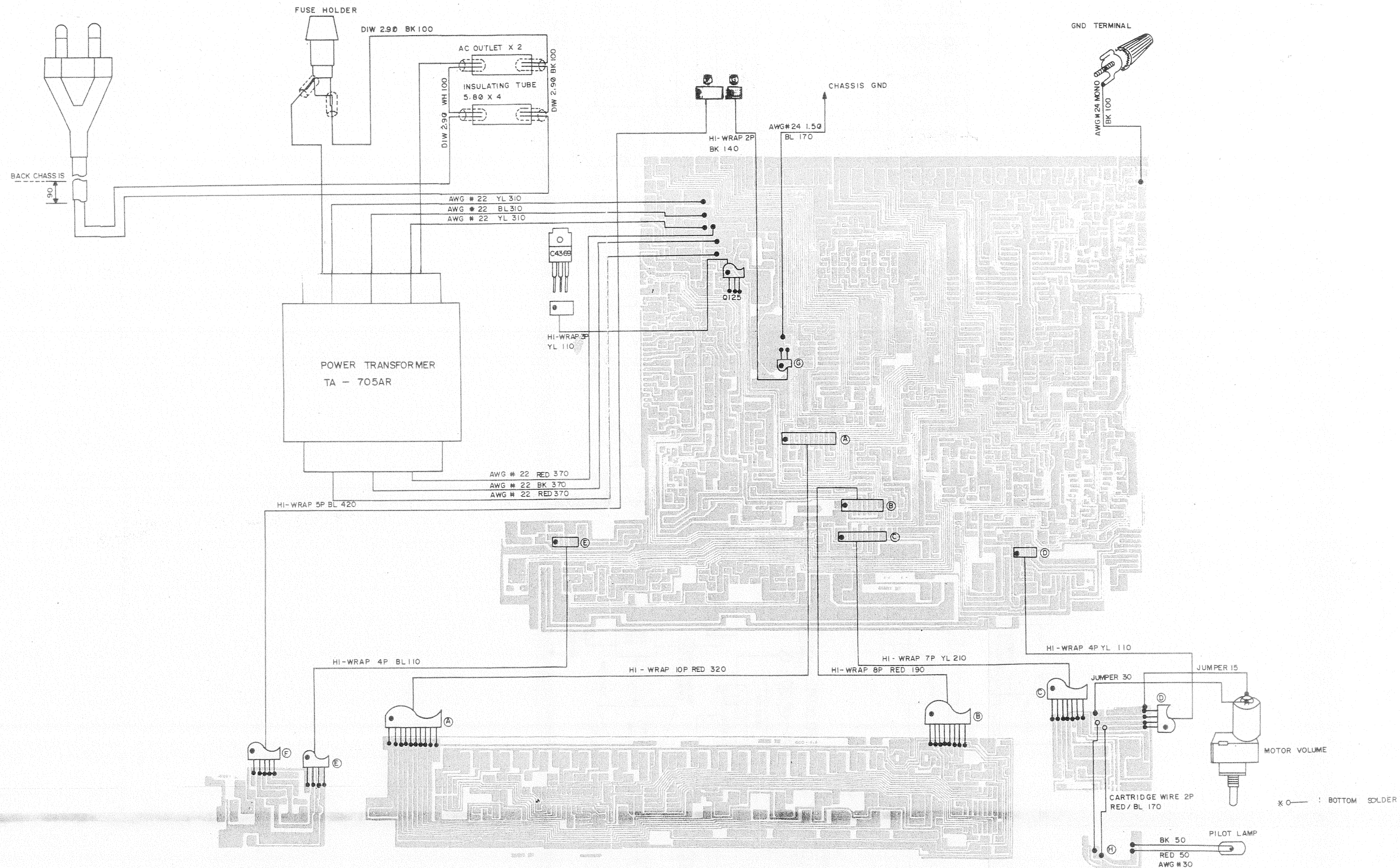


| 5 | 6 | 7 | 8 | 9 | 10 |
|-----|-----|------|------|-----|-----|
| 0 | 3.5 | 12.4 | 12.4 | 7 | 5.6 |
| 3.5 | 0 | 12.4 | 12.4 | 0 | 5.6 |
| 0.4 | 0.4 | 12.4 | 12.4 | 0.9 | 0.6 |

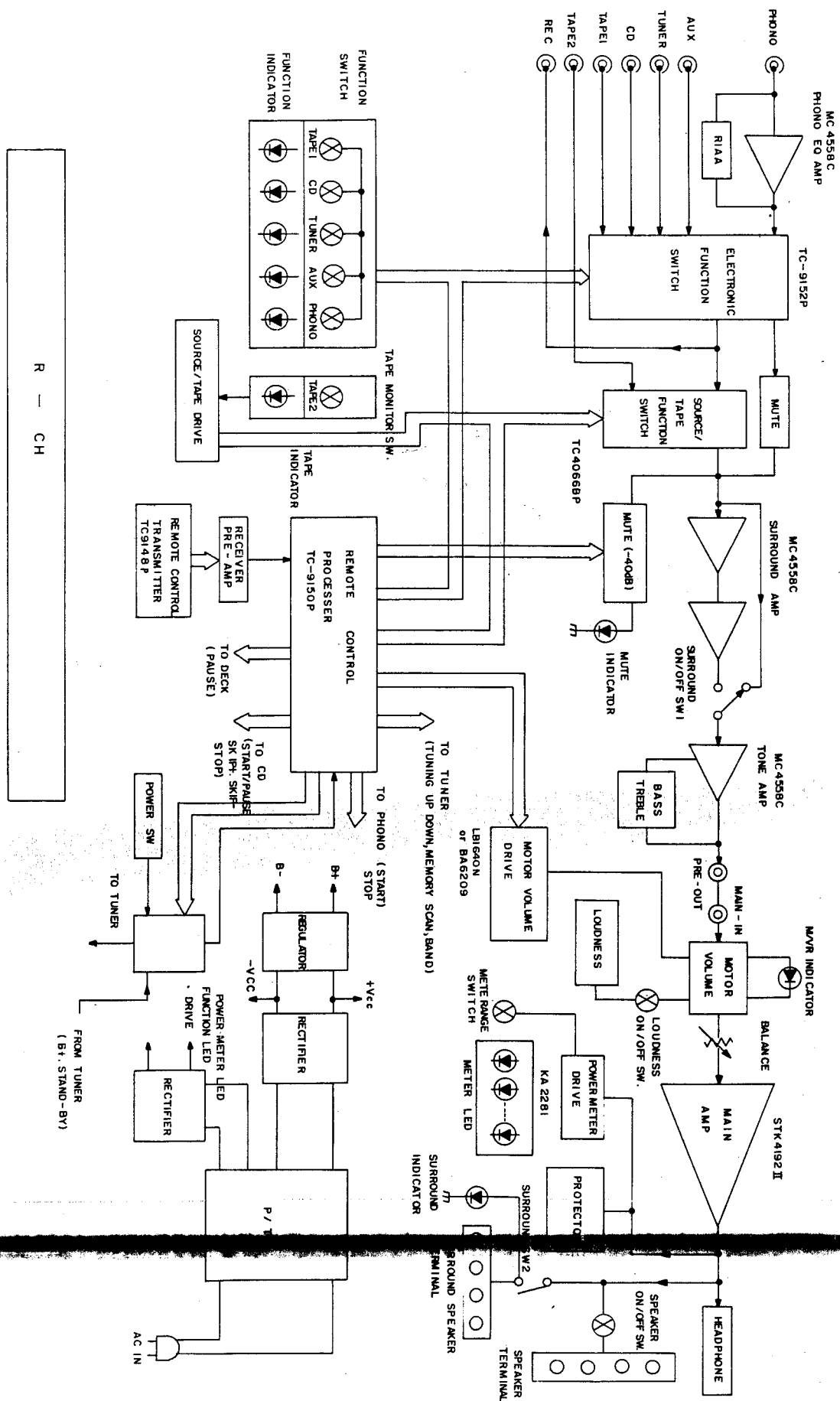


| FUSE | PT NO. |
|----------------|---------------|
| 250V T1.6A X 2 | A85 - 023B0-K |
| 250V T2A | A85 - 023X-V |
| 125V T3.5A | A85 - 023 C-U |
| 250V T2A | A85 - 023 Z-B |

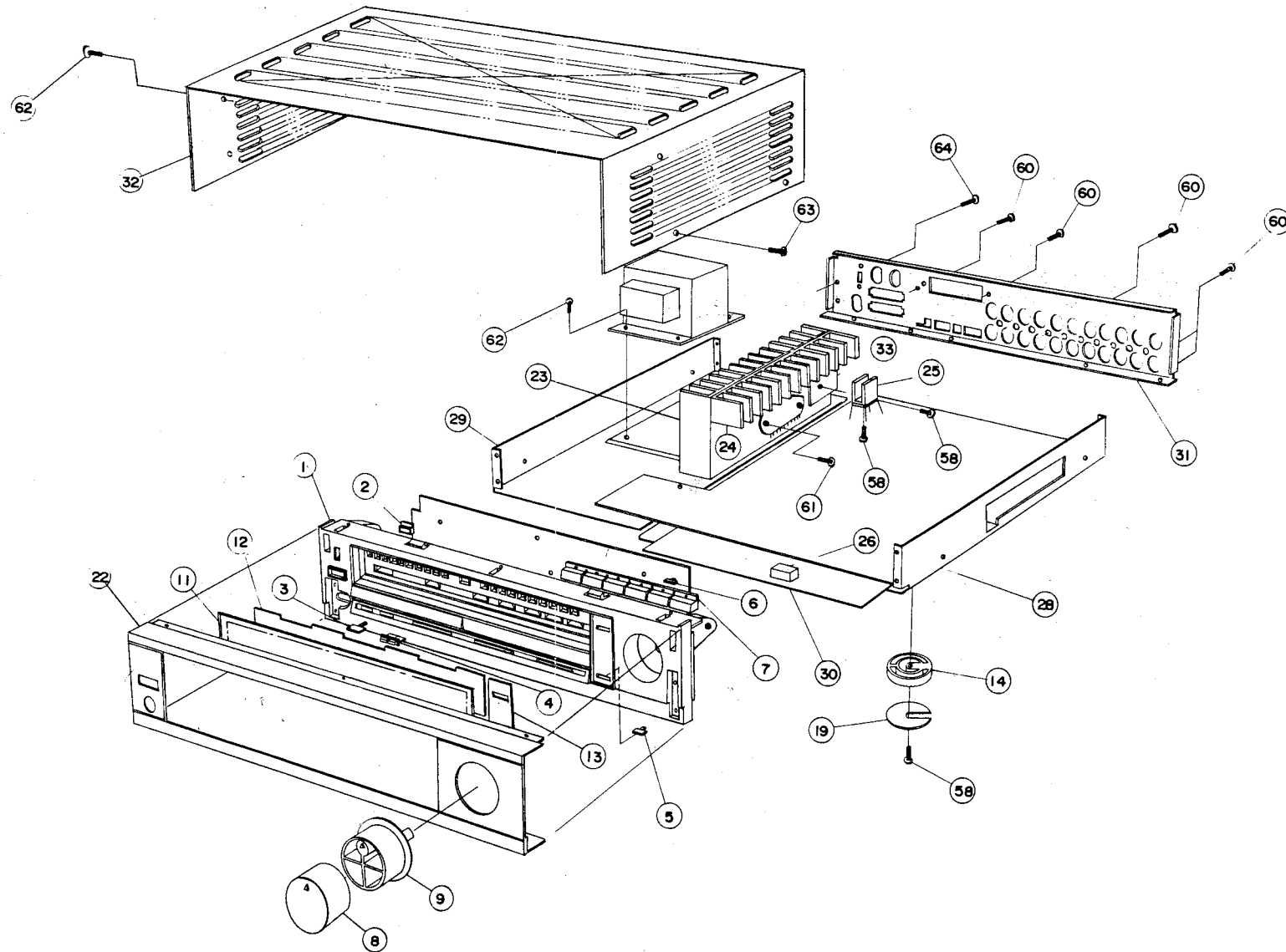
MODEL NO. TA-705BR
WIRING DIAGRAM



MODEL NO. TA-705BR
BLOCK DIAGRAM



MODEL NO. TA-705BR
EXPLODED VIEW



PAR

IC
IC
IC
IC
IC
IC

IC
REMOTE CC
TRANSISTO
TRANSISTO
TRANSISTO
LED
LED

LED

LED
BRIDGE REC
SLIDE VOLL
SLIDE VOLL
MOTOR VO
PUSH SWIT
PUSH SWIT
PUSH SWIT
PUSH SWIT
TACT SWIT

HEADPHONI
RCA JACK
SPEAKER T
POWER TR/
AC CORD V
AC OUTLET
MAIN PCB
SUB PCB
FUSE HOLD
FUSE HOLD
FUSE
CHOKE COI
PILOT LAMI
TRANSISTC
TRANSISTC
TRANSISTC

MODEL NO.TA-705BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q.TY | DESCRIPTION | LOCATION |
|------------------------------|------|------|----------------------|---|
| IC | PC | 1 | TC-9152P | IC102 |
| IC | PC | 1 | TC-9150P | IC107 |
| IC | PC | 1 | TC-4066BP | IC103 |
| IC | PC | 1 | STK-4192II | IC108 |
| IC | PC | 2 | KA-2281 | IC401, 402 |
| IC | PC | 4 | MC-4558C | IC101, 104, 105, IC106 |
| IC | PC | 1 | BA-6209 | IC109 |
| REMOTE CONTROL RECEIVER | PC | 1 | BX-1407 | U401 |
| TRANSISTOR | PC | 2 | 2SC4369-Y | Q125, 127 |
| TRANSISTOR | PC | 1 | 2SA1658-Y | Q126 |
| TRANSISTOR | PC | 0 | KTC2235-Y | Q129 |
| LED | PC | 1 | SLR54VR-3 | D531 |
| LED | PC | 21 | DLR-IC503T | D403, 404, 405, D406, 407, 408, D409, 410, 411, D412, 413, 414, D415, 416, 417, D418, 419, 420, 421, 422, 443, D437, 438, 439, D440, 441, 442, D444, 445 |
| LED | PC | 6 | SLV-56MC-3 | D437, 438, 439, D440, 441, 442 |
| LED | PC | 2 | SLV-56VC-3 | D444, 445 |
| BRIDGE RECTIFIER DIODE | PC | 1 | BR-32 | D128 |
| SLIDE VOLUME | PC | 1 | 200KW x 1, RS30E1142 | VR103 |
| SLIDE VOLUME | PC | 2 | 100KC x 2, RS30E1232 | VR101, 102 |
| MOTOR VOLUME W/NUT, WASHER | PC | 1 | 100KB x 2, RK14112MA | VR501 |
| PUSH SWITCH | PC | 1 | 1KEY2C2P, R2100561 | S551 |
| PUSH SWITCH (W/O BRACKET) | PC | 1 | 1KEY2C2P, TR2112152 | S101 |
| PUSH SWITCH (W/O BRACKET) | PC | 1 | 1KEY6C2P, R2100030 | S102 |
| PUSH SWITCH | PC | 1 | 1KEY2C2P, SPH221A | S408 |
| TACT SWITCH | PC | 7 | IC1P, KHH10902 | S401, 402, 403, S404, 405, 406, S407 |
| HEADPHONE JACK W/NUT, WASHER | PC | 1 | 6.3ø, HLJ230601-3020 | J551 |
| RCA JACK | PC | 3 | 6PIN, AP6-0034A | J101, 102, 103 |
| SPEAKER TERMINAL | PC | 1 | 8PIN, AU8-2021 | J571 |
| POWER TRANSFORMER | PC | 1 | SAFETY STANDARD | |
| AC CORD W/PLUG | PC | 1 | SAFETY STANDARD | |
| AC OUTLET | PC | 2 | SAFETY STANDARD | |
| MAIN PCB | PC | 1 | A1A-087A-E | |
| SUB PCB | PC | 1 | A1A-088 | |
| FUSE HOLDER | PC | 1 | FEU031-1653 | |
| FUSE HOLDER CAB | PC | 1 | FEK031-1663 (5 x 20) | |
| FUSE | PC | 1 | SAFETY STANDARD | |
| CHOKE COIL | PC | 2 | 2.2uH, ABK-005 | L101, 102 |
| PILOT LAMP | PC | 1 | 14V, 50mA, 4ø | |
| TRANSISTOR | PC | 1 | KTC-2240-GR | Q123 |
| TRANSISTOR | PC | 1 | KTA970-GR | Q124 |
| TRANSISTOR | PC | 12 | KTC1815-Y | Q101, 102, 103, Q104, 107, 109, Q111, 113, 115, Q117, 119, 120 |

MODEL NO.TA-705BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|---------------------------|--|
| TRANSISTOR | PC | 9 | KTA1015-Y | Q108, 110, 112, Q114, 116, 118, Q128, 130, 401, Q121, 122 Q105, 106 Q402 D129, 130 D103, 104, 105, D106, 107, 108, D109, 110, 111, D112, 113, 114, D115, 116, 117, D120, 121, 123, D127, 131, 446, D447, 448, 449, D450 D132 D134 D101, 102 D216 D135, 136 D124, 125 #C142 #C115, 116, 130, #C132, 137 #C141, 145, 146 #C150, 151, 173 #C174, 183 #C180, 228, 229, #C230, 231, 224, #C225 #C134, 226 #C195, 196 #C156, 157 #C117, 118, 119, #C120, 121, 122, #C123, 124, 127, #C128 #C160, 161 #C187, 188 #C189, 190 #C101, 102 #C216 #C212, 213 #C105, 106 #C191, 192 #C184 #C166, 167, 407 #C135, 136 #C401, 402 #C208, 209, 221 |
| TRANSISTOR | PC | 2 | KTA1015-GR | |
| DIGITAL TRANSISTOR | PC | 2 | DTA114-YS | |
| DIGITAL TRANSISTOR | PC | 1 | DTC114-YS | |
| RECTIFIER DIODE | PC | 2 | IN4002 | |
| SILICON DIODE | PC | 26 | IS2473 | |
| SILICON DIODE | PC | 1 | IS2471 | |
| ZENER DIODE | PC | 1 | MTZ5.6B, 1/2W | |
| ZENER DIODE | PC | 2 | MTZ8.2C, 1/2W | |
| ZENER DIODE | PC | 1 | MTZ13B, 1/2W | |
| ZENER DIODE | PC | 2 | MTZ15C, 1/2W | |
| ZENER DIODE | PC | 2 | MTZ18C, 1/2W | |
| CAPACITOR CERAMIC | PC | 1 | 50V, 0.01uF, K, B | |
| CAPACITOR CERAMIC | PC | 14 | 50V, 0.022uF, Z, F | |
| CAPACITOR CERAMIC | PC | 7 | 50V, 0.1uF, Z, F | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 0.047uF, Z, F | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 10PF, D, SL | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 100PF, J, SL | |
| CAPACITOR CERAMIC | PC | 10 | 50V, 220PF, J, CH | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 27pF, J, SL | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 270pF, J, SL | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 330pF, J, SL | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 470pF, J, SL | |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 470uF, M-C, 10*12.5 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 470uF, M-C, 25.4*41 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 10V, 100uF, M-T, 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 10V, 22uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 10V, 220uF, M-T, 8 x 11.5 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 16V, .10uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 22uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 25V, 10uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 25V, 100uF, M-T, 8 x 11.5 | |

MODEL NO.TA-705BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|--------------------------------|--|
| CAPACITOR E/ALUMINUM | PC | 10 | 25V, 22uF, M-T, 5 x 11 | #C113, 114, 129, #C131, 143, 144, #C148, 149, 172, #C175 #C215 #C214 #C200, 201, 202 #C199 #C158, 159, 207 #C222 #C154, 155, 185, #C186 #C139, 140, 147 #C193, 194, 210, #C211 #C103, 104, 111, #C112, 125, 126 #C403, 404 #C152, 153 #C405, 406 #C178, 179, 205, #C206 #C197 #C168, 169 #C109, 110 #C164, 165, 203, #C204 #C162, 163, 176, #C177 #C501, 502 #C133, 219, 220 #C107, 108 #C170, 171 #C217, 218 #C181, 182 #R113, 114, 166, #R167, 176, 177, #R180, 181 #R248, 249, 277 #R170, 215, 243 #R103, 104, 105, #R106, 146, 158, #R159, 160, 161, #R164, 165, 178, #R179, 246 #R154, 155 #R192, 193 #R115, 116, 135, #R136 #R172, 173, 184, #R185, 222, 226, #R230, 234, 238, #R247 |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 33uF, M-T, 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 47uF, M-T, 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 10uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 100uF, M-T, 10 x 12.5 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 1.0uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 22uF, M-T, 6.3 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 4 | 50V, 2.2uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 3 | 50V, 3.3uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 4 | 50V, 47uF, M-T, 8 x 11.5 | |
| CAPACITOR E/ALUMINUM | PC | 6 | 50V, 4.7uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 0.1uF, M-T, 5 x 11 | |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 0.33uF, M-T, 5 x 11 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.47uF, M-T, 5 x 11 | |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.01uF, J-T, 6.8 x 13 | |
| CAPACITOR F/POLYESTR | PC | 1 | 50V, 0.10uF, J-T, 12.1 x 14 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.012uF, J-T, 7.0 x 13 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0022uF, J-T, 5.5 x 12.5 | |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.022uF, J-T, 7.4 x 13 | |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.0027uF, J-T, 5.7 x 12.5 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.033uF, J-T, 8.1 x 13 | |
| CAPACITOR F/POLYESTR | PC | 3 | 50V, 0.047uF, J-T, 8.9 x 13.5 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0068uF, J-T, 5.8 x 12.5 | |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.068uF, J-T, 9.9 x 14 | |
| CAPACITOR F/POLYESTR | PC | 2 | 100V, 0.047uF, J-T, 8.9 x 13.5 | |
| CAPACITOR STYROL | PC | 2 | 100V, 1000pF, J | |
| RESISTOR-CARBON FILM | PC | 8 | 1/5W, 100ohm, 5% | |
| RESISTOR-CARBON FILM | PC | 3 | 1/5W, 1Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 10Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 14 | 1/5W, 100Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 12Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 1.5Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 4 | 1/5W, 220ohm, 5% | |
| RESISTOR CARBON FILM | PC | 10 | 1/5W, 22Kohm, 5% | |

MODEL NO.TA-705BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|-------------------|--|
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 220Kohm, 5% | #R117, 118, 186, #R187, 434 #R171 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 2.7Kohm, 5% | #R196, 197 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 27Kohm, 5% | #R145 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 270Kohm, 5% | #R217, 218, 223, #R227, 231, 235, #R239 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 3.3Kohm, 5% | #R111, 112 #R168, 169 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 33Kohm, 5% | #R174, 175, 209, #R210, 213, 214 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 390ohm, 5% | #R200, 201, 211, #R212, 242, 258, #R259 |
| RESISTOR CARBON FILM | PC | 6 | 1/5W, 3.9Kohm, 5% | #R109, 110 #R119, 120, 123, #R124, 127, 128, #R131, 132, 139, #R140 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 39Kohm, 5% | #R202, 203, 204, #R205, 207, 219 #R206, 224, 229, #R233, 237, 241, #R302 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 4.7Kohm, 5% | #R147, 156, 157 #R216, 220, 252, #R253, 503, 504 |
| RESISTOR CARBON FILM | PC | 7 | 1/5W, 47Kohm, 5% | #R190, 191, 276 #R121, 122, 125, #R126, 129, 130, #R133, 134, 137, #R138, 141, 142, #R150, 151, 152, #R153, 162, 163, #R182, 183, 250, #R251, 303, 304 |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 470Kohm, 5% | #R198, 199 #R107, 108 |
| RESISTOR CARBON FILM | PC | 6 | 1/5W, 560ohm, 5% | #R225, 228, 232, #R236, 240 #R424, 425, 426 #R101, 102, 501, #R502 |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 5.6Kohm, 5% | #R188, 189 #R194, 195 #R149, 437, 438, #R439, 440, 441 |
| RESISTOR CARBON FILM | PC | 24 | 1/5W, 56Kohm, 5% | #R244, 280, 431, #R432 #R300, 436 #R144 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 560Kohm, 5% | #R268, 269 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 680ohm, 5% | |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 6.8Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/5W, 68Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 4 | 1/5W, 8.2Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 82Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 820Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 6 | 1/4W, 1Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 10Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 1.2Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 150ohm, 5% | |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 1.5Kohm, 5% | |

MODEL NO.TA-705BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|---------|-------------------|--|
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 180ohm, 5% | #R245, 442 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 1.8Kohm, 5% | #R531 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 18Kohm, 5% | #R443 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 220ohm, 5% | #R264, 265 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 220Kohm, 5% | #R281, 433 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 270ohm, 5% | #R444 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 27Kohm, 5% | #R445 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 330ohm, 5% | #R143, 292 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 39Kohm, 5% | #R294 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 47ohm, 5% | #R401, 402 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 470ohm, 5% | #R221, 301 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 47Kohm, 5% | #R446, 447 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 560ohm, 5% | #R148, 288, 290 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 56Kohm, 5% | #R429, 430 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 5.6Mohm, 5% | #R293 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 680ohm, 5% | #R208, 296 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 6.8Kohm, 5% | #R305 |
| RESISTOR CARBON FILM | PC | 8 | 1/4W, 68Kohm, 5% | #R270, 271, 278, #R279, 282, 423, #R427, 428 #R287, 289, 403, #R404, 405, 406, #R407, 408, 409, #R410, 411, 412, #R413, 414, 415, #R416, 417, 418, #R419, 420 |
| RESISTOR CARBON FILM | PC | 22 | 1/4W, 820ohm, 5% | #R295 #R254, 255, 256, #R257 #R266, 267 #R260, 261 #/194 #R272, 273, 274, #R275 #R262, 263 #R551, 552 #R285, 286 #R283 #R284 |
| RESISTOR CARBON FILM | PC | 1 | 1/2W, 1.8Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 4 | 1/2W, 3.3Kohm, 5% | |
| RESISTOR CEMENT | PC | 2 | 3W, 0.22ohm, 5% | |
| RESISTOR FUSIBLE | PC | 2 | 1/4W, 100ohm, 5% | |
| RESISTOR JUMPER WIRE | M | 11.6400 | 60mm-TX123 | |
| RESISTOR METAL OXIDE | PC | 4 | 1W, 10ohm, 5% | |
| RESISTOR METAL OXIDE | PC | 2 | 1W, 1Kohm, 5% | |
| RESISTOR METAL OXIDE | PC | 2 | 1W, 220ohm, 5% | |
| RESISTOR METAL OXIDE | PC | 2 | 1W, 3.3Kohm, 5% | |
| RESISTOR METAL OXIDE | PC | 1 | 2W, 100ohm, 5% | |
| RESISTOR METAL OXIDE | PC | 1 | 2W, 330ohm, 5% | |

MODEL NO.TA-705BR
MECHANICAL PARTS

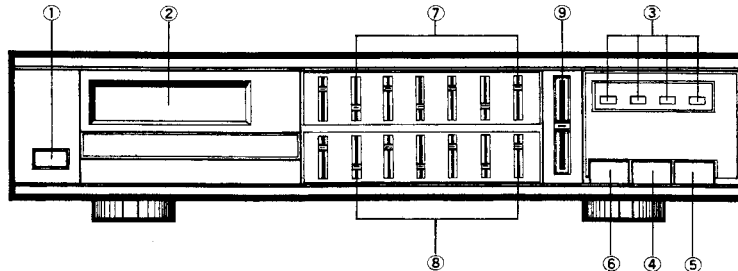
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | REMARKS |
|--------------------|------|------|-------------------|---------|
| PANEL SUB | PC | 1 | | |
| KNOB POWER TACT | PC | 1 | | |
| KNOB SELECTOR | PC | 2 | | |
| KNOB SLIDE | PC | 3 | | |
| KNOB SURROUND | PC | 1 | | |
| KNOB PUSH S/W (A) | PC | 1 | | |
| KNOB TACT S/W | PC | 1 | | |
| KNOB V/R CAP | PC | 1 | | |
| KNOB V/R CORE | PC | 1 | | |
| BUSH | PC | 1 | | |
| WINDOW PANEL | PC | 1 | | |
| DECO LED | PC | 1 | | |
| PLATE FUNCTION | PC | 1 | | |
| FOOT | PC | 2 | (NON-H/STAMPING) | |
| FOOT | PC | 2 | (GOLD-H/STAMPING) | |
| CUSHION FOOT | PC | 4 | | |
| CUSHION PCB | PC | 2 | 20 × 20 × 8t | |
| PANEL FRONT | PC | 1 | | |
| RADIATOR L | PC | 1 | | |
| RADIATOR S | PC | 1 | | |
| RADITOR DIODE | PC | 1 | | |
| CABINET STEEL | PC | 1 | | |
| CHASSIS SIDE R | PC | 1 | | |
| CHASSIS SIDE L | PC | 1 | | |
| CHASSIS MAIN | PC | 1 | | |
| CHASSIS BACK | PC | 1 | | |
| BRACKET RADIATOR R | PC | 1 | | |
| BRACKET IC L | PC | 1 | | |
| BRACKET 1 KEY S/W | PC | 1 | | |
| JACK CONNECT | PC | 2 | (PITCH:18 mm) | |
| CABLE TIE | PC | 6 | | |
| FILTER LEVEL | PC | 1 | | |
| FILTER FUNCTION | PC | 1 | | |
| WASHER FIBER | PC | 1 | | |
| CUSHION R.L | PC | 2 | | |
| GIFT BOX | PC | 1 | | |
| POLY BAG (S) | PC | 1 | | |
| POLY BAG (I) | PC | 2 | | |
| CORD BUSH | PC | 1 | | |
| GND TERMINAL | PC | 1 | | |

MODEL NO.TA-705BR
MECHANICAL PARTS

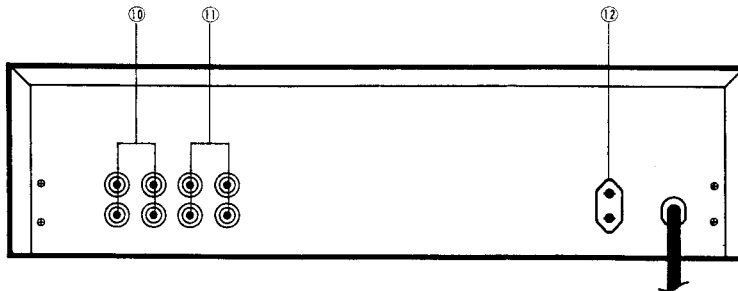
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | REMARKS |
|---------------|------|------|----------------------|---------|
| REMOCON ASS'Y | PC | 1 | (TRM-718BR) | |
| SILICAGEL | PC | 1 | | |
| INST MANUAL | PC | 1 | | |
| WARRANTY CARD | PC | 1 | | |
| LABEL INSPECT | PC | 1 | | |
| LABEL SERIAL | PC | 2 | | |
| SCREW TAPPING | PC | 36 | BH T2T ø3 × 8 Fe-Zn | |
| SCREW TAPPING | PC | 16 | BH T2T ø3 × 8 Fe-Zy | |
| SCREW TAPPING | PC | 8 | FH T2T ø3 × 8 Fe-Zn | |
| SCREW TAPPING | PC | 1 | BH T2T ø3 × 12 Fe-Zy | |
| SCREW TAPPING | PC | 4 | BH T3T ø4 × 6 Fe-Zy | |
| SCREW TAPPING | PC | 6 | BH T2T ø4 × 10 Fe-Zn | |
| SCREW MACHINE | PC | 2 | PH M3 × 8 Fe-Zy | |

MODEL NO. TE-707SG GRAPHIC EQUALIZER

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

- 1. Power Switch**
Depress this switch to turn the POWER on and depress again to turn POWER OFF.
- 2. Spectrum Analyzer**
The tuned frequency on each band are displayed here in digital form.
- 3. LED Indicator**
This indicator displays TAPE, SOURCE, REC, EQ-ON.
- 4. Equalizer Recording Switch (EQ REC)**
Depress this switch (ON) for recording through the equalizer circuit. Turn it (OFF) for recording without the use of equalizer circuit system.

- 5. Equalizer Switch (EQ)**
Set this switch (ON) to activate the graphic equalizer effect.
- 6. Monitor Switch**
SOURCE: Line in signal is selected.
TAPE : Tape play signal is selected.
- 7. 8. Equalizer Knob**
When equalizer switch 5 is turned on, (64Hz)
Moving this slide control down reduces very low frequency rumble, or compensates a warped disc. Moving the slide control up emphasizes the very low frequencies.

(160Hz)

This range supports the lower end of the music and slide controls overall depth. The slide control may be moved down to eliminate "boomy bass" caused by room acoustics.

(400Hz)

This range is the foundation of music including both instruments and the human voice, and controls the overall power of the sound. As the slide control is moved up, midrange sounds come more forward.

(1KHz)

This range affects the presence of the music (depth of tone), and is especially effective when playing back vocals. Moving the slide control up and down will cause the vocals to more "up front" or more reserved.

(2.5KHz)

This is the frequency range where the human ear is most sensitive. Boosting the level slightly will add brilliance, crispness, etc., to instruments. Cutting the level slightly makes for comfortable listening.

(6.3KHz)

This is the high frequency range. Strings, horns, etc., will be emphasized to give a slight difference in tone glaze and quality. Moving the control down reduces over-emphasized consonants in vocals and objectionable tape hiss. Moving the slide control up, on the other hand, improves the sharpness of such instruments as cymbals.

(16KHz)

Super-high frequency range. This affects higher harmonics rather than the fundamental tones of the instruments themselves, and has an effect on the sensitivity and atmosphere of the music. Moving side control up adds a delicate, fresh sound to cymbals, triangles, etc.

- 9. Spectrum Analyzer (S.A) Level Knob**
Slide this knob to adjust spectrum analyzer level.

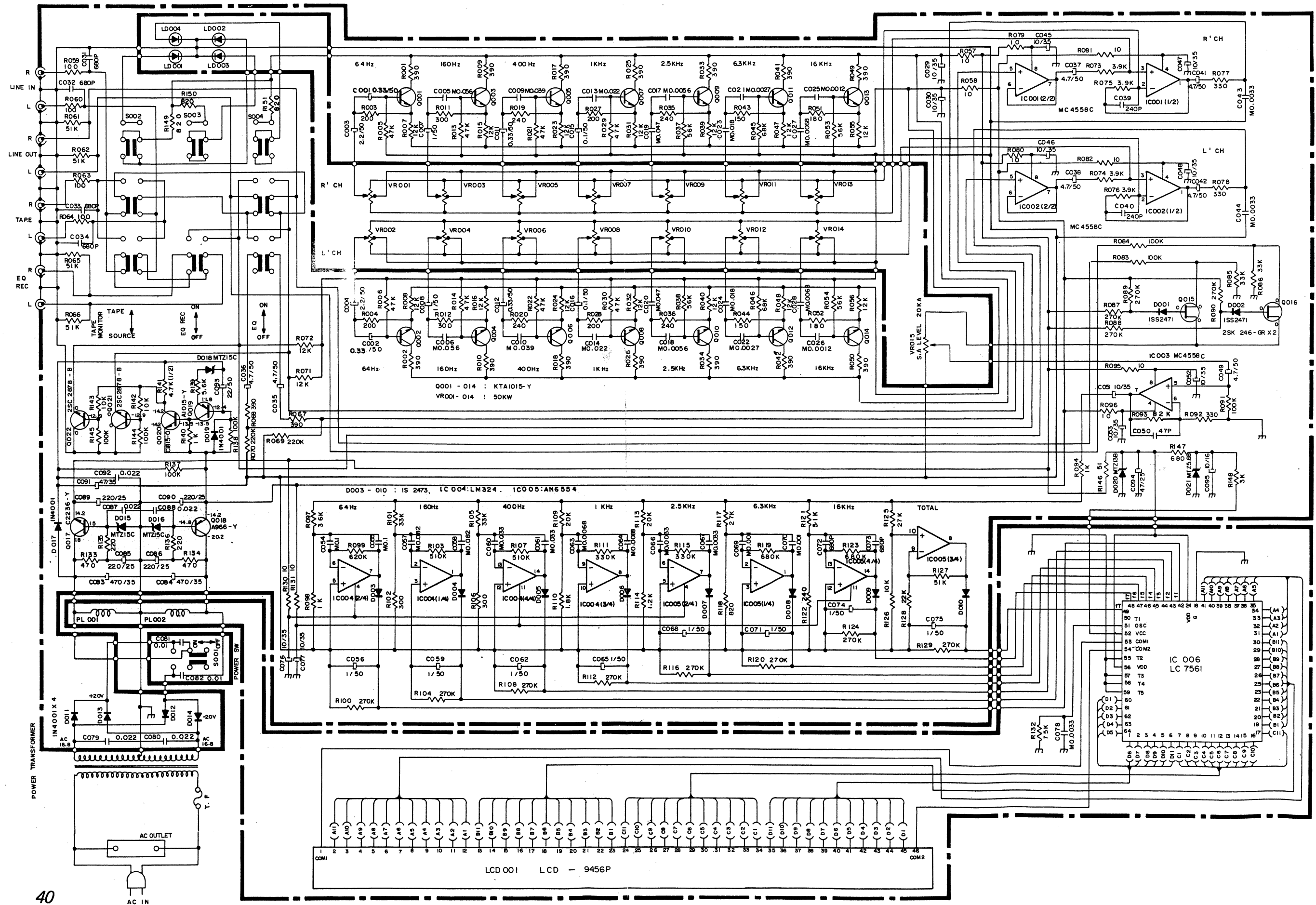
REAR PANEL CONNECTIONS

- 10. Line Terminal**
IN : This is a input terminal.
OUT: This is a output terminal.
- 11. Tape Terminal**
REC : Connect to the tape deck input terminals (Line in, Rec).
PLAY: Connect to the tape deck output terminals (Line out, Play).
- 12. AC Outlet**
Unswitched can be supplied to other components with a total power consumption of up to 150 W.

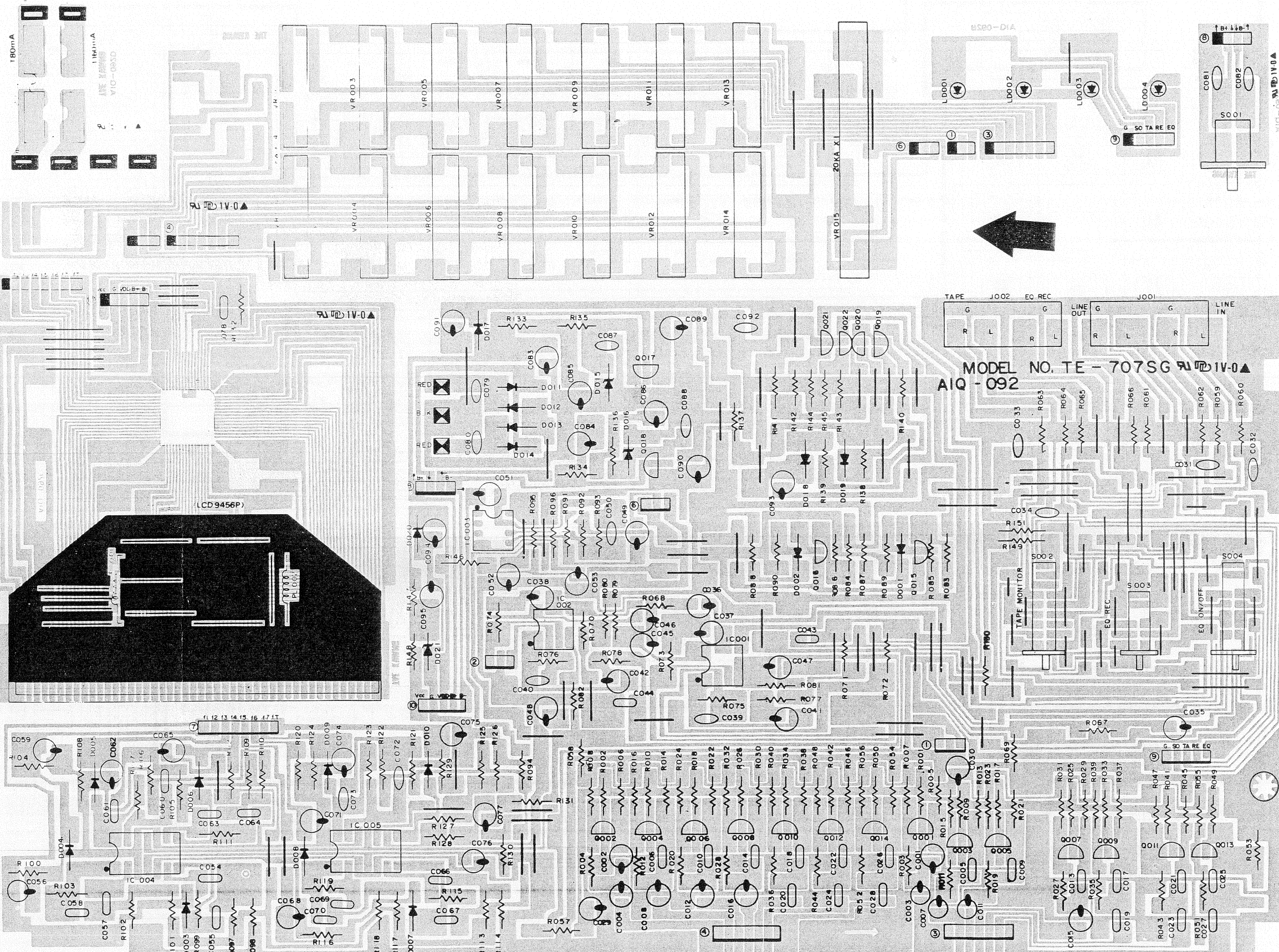
SPECIFICATIONS

| | |
|---------------------------|---|
| Formation | : R Channel + L Channel Graphic Equalizer |
| Display System | : 7 Bands Spectrum Analyzer |
| Frequency Response | : 10 Hz - 70 KHz |
| Equalizer Control Range | : ± 10 dB |
| Frequency Range | : 64 Hz 160 Hz 400 Hz 1 KHz 2.5 KHz 6.3 KHz 16 KHz |
| Total Harmonic Distortion | : 0.03% |
| Signal to Noise Ratio | : 100 dB (Jis a Filter) |
| Input Sensitivity | Line In-150 mV/47 Kohm |
| Output/Impedance | : Line Out - 150 mV/ 600 ohm Rec Out - 150 mV/ 600 ohm |
| Power Consumption | : 12 W |
| Dimensions | : 420(W) \times 92(H) \times 253(D) |
| Weight | : 2.8 Kg |

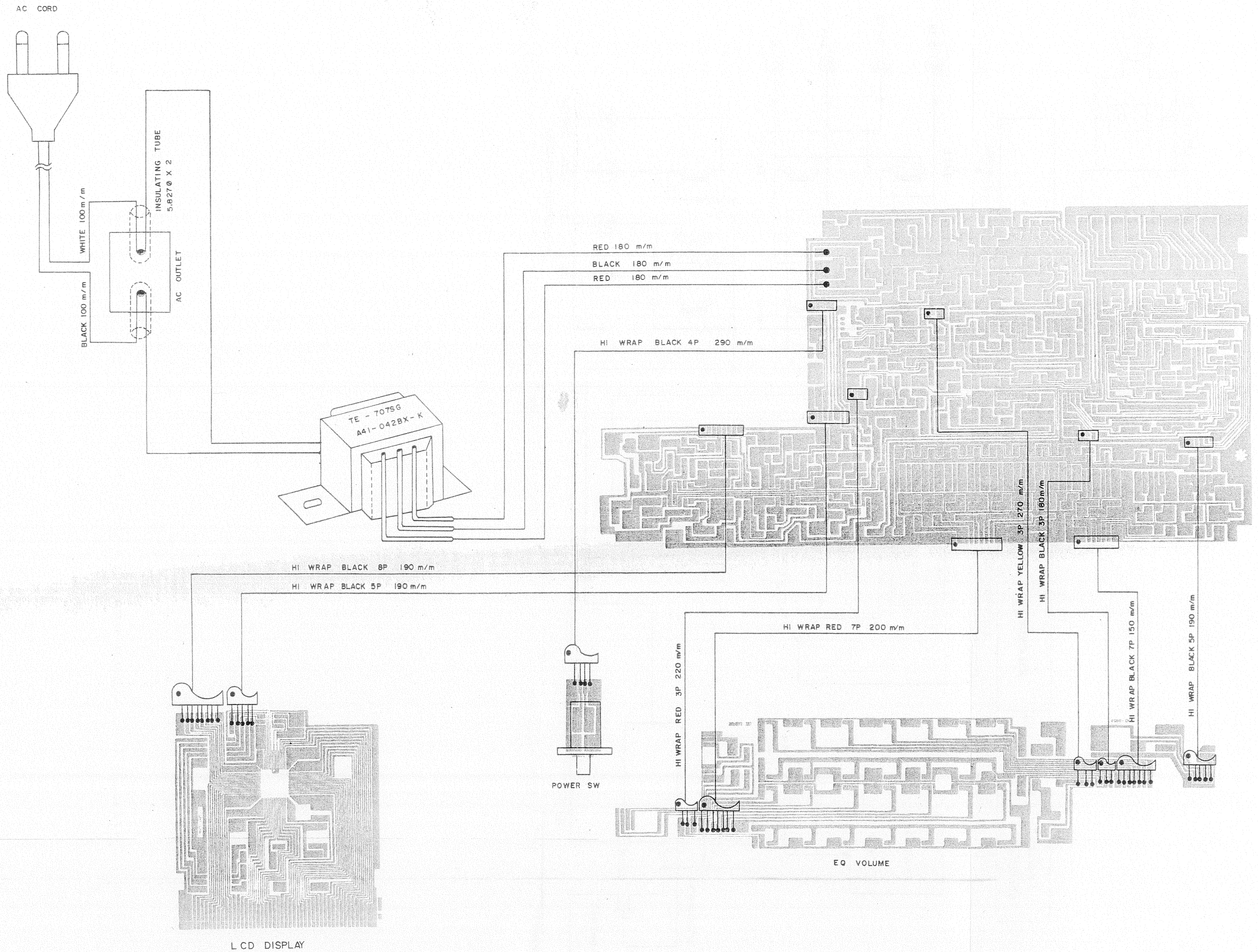
MODEL NO. TE-707SG SCHEMATIC DIAGRAM



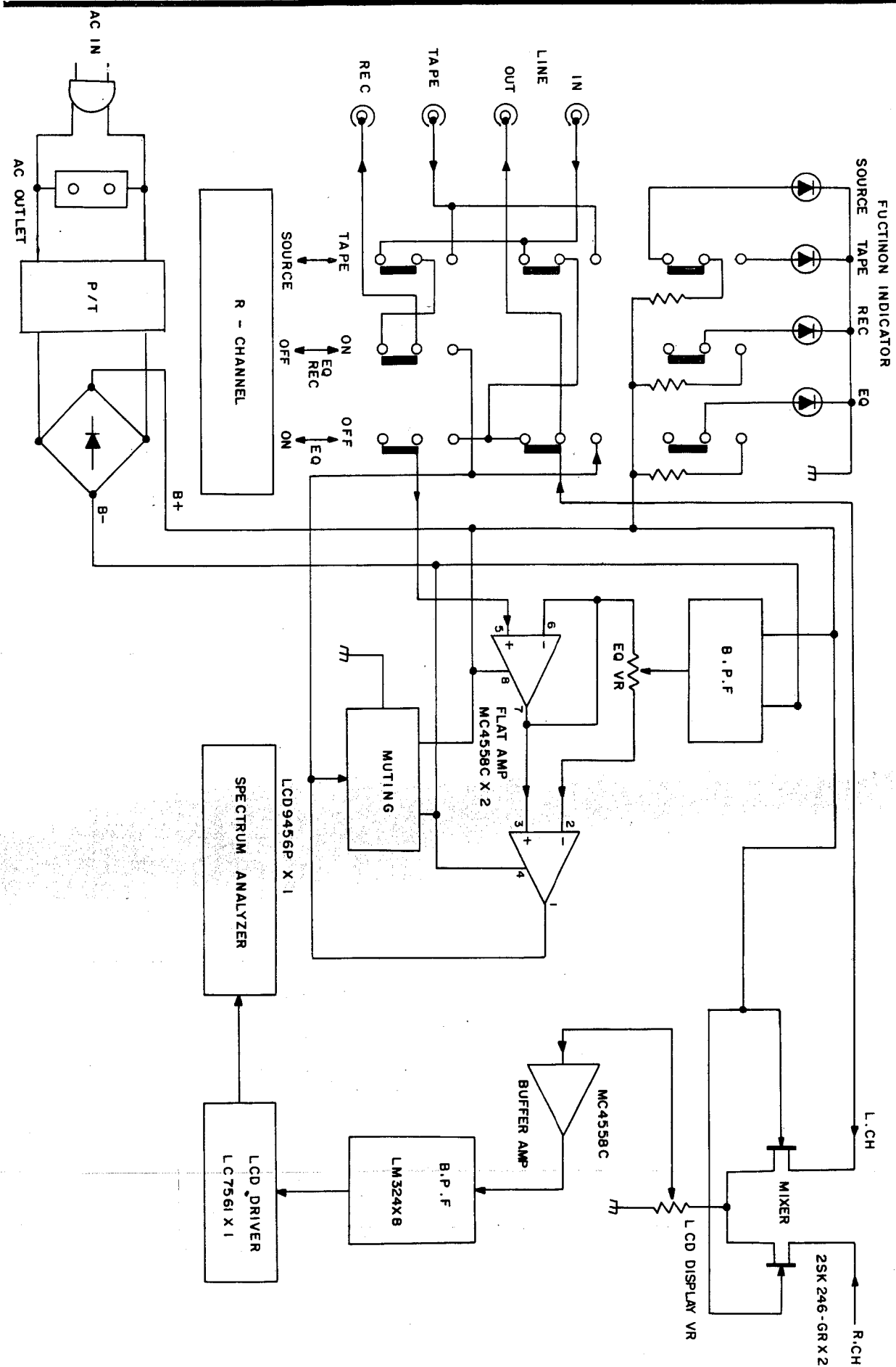
MODEL NO. TE-707SG
PCB LAYOUT



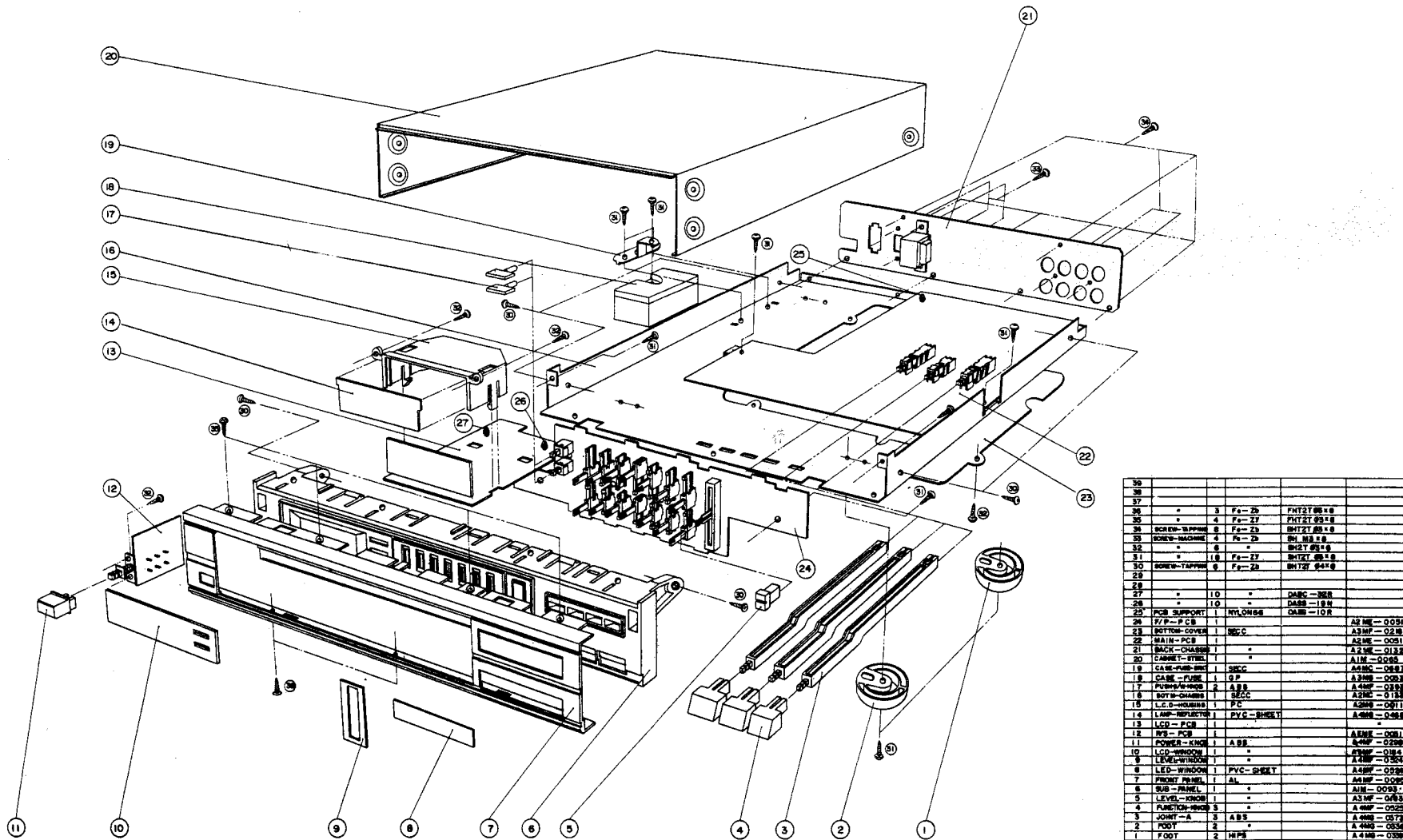
MODEL NO. TE-707SG
WIRING DIAGRAM



MODEL NO. TE-707SG
BLOCK DIAGRAM



MODEL NO.TE-707SG
EXPLODED VIEW



PAI

IC
IC
IC
IC
TRANSIST
FET
LCD DISPL
PILOT LAM
LED

POWER TR
PUSH SWI
PUSH SWI
PUSH SWI
SLIDE VOL
SLIDE VOL

SLIDE VOL
AC CORD \
AC OUTLET
PCB
RCA JACK
SHORT JA
RCA CORD
TRANSIST
TRANSIST

TRANSISTOR
TRANSISTOR
ZENER DIODE
ZENER DIODE
ZENER DIODE
SILICON DIODE

SILICON DI
RECTIFIER

CAPACITOR
CAPACITOR

CAPACITOR

MODEL NO. TE-707SG
ELECTRICAL PARTS

| PARTS NAME | UNIT | QTY | DESCRIPTION | LOCATION |
|-------------------|------|-----|--------------------------|--|
| IC | PC | 1 | AN6554 | IC005 |
| IC | PC | 1 | LC7561 | IC006 |
| IC | PC | 1 | LM324 | IC004 |
| IC | PC | 3 | MC4558C | IC001, 002, 003 |
| TRANSISTOR | PC | 2 | 2SC2878-B | Q021, 022 |
| FET | PC | 2 | 2SK246-GR | Q015, 016 |
| LCD DISPLAY | PC | 1 | LCD9456P | LCD001 |
| PILOT LAMP | PC | 2 | 20V, 80mA, 5ø | PL001, 002 |
| LED | PC | 4 | DLY-IC503T | LD001, 002, 003 LD004 |
| POWER TRANS | PC | 1 | SAFETY STANDARD | |
| PUSH SWITCH | PC | 1 | 2C2P, 1KEY, TR2112207 | S001 |
| PUSH SWITCH | PC | 1 | 4C2P, 1KEY, R2320569 | S003 |
| PUSH SWITCH | PC | 2 | 6C2P, 1KEY, R2321617 | S002, 004 |
| SLIDE VOLUME | PC | 1 | 20KA, SINGLE, S4518PC | VR015 |
| SLIDE VOLUME | PC | 14 | 50KW, SINGLE, RS15H11 | VR001, 002, 003, VR004, 005, 006, VR007, 008, 009, VR010, 011, 012, VR013, 014 |
| SLIDE VOLUME | PC | 1 | | |
| AC CORD W/PLUG | PC | 1 | | |
| AC OUTLET | PC | 1 | | |
| PCB | PC | 1 | SAFETY STANDARD | |
| RCA JACK | PC | 2 | A1Q-082A-E | |
| SHORT JACK | PC | 2 | AP4-0032A | |
| RCA CORD | PC | 2 | RCA PLUG W/O CORD | |
| TRANSISTOR | PC | 1 | 2P, RCA DOUBLE SIDE 0.6m | |
| TRANSISTOR | PC | 15 | KTA1015-Y | Q019 |
| | | | KTC1815-O | Q020, 001, 002, Q003, 004, 005, Q006, 007, 008, Q009, 010, 011, Q012, 013, 014 |
| TRANSISTOR | PC | 1 | KTA966-Y | Q018 |
| TRANSISTOR | PC | 1 | KTC2236-Y | Q017 |
| ZENER DIODE | PC | 1 | MT75.6B 1/2W | D021 |
| ZENER DIODE | PC | 1 | MTZ13B, 1/2W | D020 |
| ZENER DIODE | PC | 3 | MTZ15C, 1/2W | D015, 016, 018 |
| SILICON DIODE | PC | 8 | IS2473 | D003, 004, 005, D006, 007, 008, D009, 010 |
| SILICON DIODE | PC | 2 | IS2471 | D001, 002 |
| RECTIFIER DIODE | PC | 6 | IN4001 | D011, 012, 013, D014, 017, 019 |
| CAPACITOR CERAMIC | PC | | 50V, 0.01uF, K, B | #C081, 082 |
| CAPACITOR CERAMIC | PC | 5 | 50V, 0.022uF, Z, F | #C079, 080, 087, #C088, 092 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 240pF, J, SL | #C039, 040 |

MODEL NO. TE-707SG
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|--------------------------------|--|
| CAPACITOR CERAMIC | PC | 1 | 50V, 47pF, J, SL | #C050 |
| CAPACITOR CERAMIC | PC | 6 | 50V, 680pF, J, SL | #C031, 032, 033, #C034, 073 #C083, 084 |
| CAPACITOR E/ALUMINUM | PC | 2 | 35V, 470uF, M-S, 10 x 20 | #C095 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 10uF, M-T, 5 x 11 | #C085, 086, 089, #C090 |
| CAPACITOR E/ALUMINUM | PC | 4 | 25V, 220uF, M-T, 8 x 11.5 | #C094 |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 47uF, M-T, 6.3 x 11 | #C029, 030, 045, #C046, 047, 048, #C051, 052, 053, #C076, 077 |
| CAPACITOR E/ALUMINUM | PC | 11 | 35V, 10uF, M-T, 5 x 11 | #C091 |
| CAPACITOR E/ALUMINUM | PC | 1 | 35V, 47uF, M-T, 8 x 11.5 | #C007, 008, 056, #C059, 062, 065, #R068, 071, 074, #C075 |
| CAPACITOR E/ALUMINUM | PC | 10 | 50V, 1.0uF, M-T, 5 x 11 | #C093 |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 22uF, M-T, 6.3 x 11 | #C003, 004 |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 2.2uF, M-T, 5 x 11 | #C035, 036, 037, #C038, 041, 042, #C049 |
| CAPACITOR E/ALUMINUM | PC | 7 | 50V, 4.7uF, M-T, 5 x 11 | #C015, 016 |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 0.1uF, M-T, 5 x 11 | #C001, 002, 011, #C012 |
| CAPACITOR E/ALUMINUM | PC | 4 | 50V, 0.33uF, M-T, 5 x 11 | #C069, 070 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.001uF, J-T, 5.3 x 12.5 | #C054, 055 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.10uF, J-T, 12.1 x 14 | #C025, 026 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0012uF, J-T, 5.4 x 12.5 | #C023, 024 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.18uF, J-T, 7.3 x 13 | #C013, 014 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.022uF, J-T, 7.4 x 13 | #C021, 022 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0027uF, J-T, 5.7 x 12.5 | #C043, 044, 066, #C067, 078 |
| CAPACITOR F/POLYESTR | PC | 5 | 50V, 0.033uF, J-T, 8.1 x 13 | #C009, 010 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.039uF, J-T, 8.5 x 13.5 | #C019, 020 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.047uF, J-T, 8.9 x 13.5 | #C017, 018 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0056uF, J-T, 5.8 x 12.5 | #C005, 006 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.056uF, J-T, 9.5 x 14 | #C027, 028, 063, #C064 |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.0068uF, J-T, 5.8 x 12.5 | #C057, 058 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.082uF, J-T, 10.6 x 14 | #R057, 058, 079, #R080, 081, 082, #R095, 096, 130, #R131 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.082uF, J-T, 10.6 x 14 | #R059, 060, 063, #R064 |
| RESISTOR CARBON FILM | PC | 10 | 1/4W, 10ohm, 5% | #R094, 098, 140, #R126, 142, 143 #R083, 084, 091, #R137, 138, 144, #R145 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 100ohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 1Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 10Kohm, 5% | |
| RESISTOR CARBON FILM | PC | 7 | 1/4W, 100Kohm, 5% | |

MODEL NO. TE-707SG
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|-------------------|---|
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 1.2Kohm, 5% | #R114 |
| RESISTOR CARBON FILM | PC | 16 | 1/4W, 12Kohm, 5% | #R007, 008, 015, #R016, 023, 024, #R031, 032, 039, #R040, 047, 048, #R055, 056, 071, #R072 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 150ohm, 5% | #R043, 044 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 180ohm, 5% | #R051, 052 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 1.8Kohm, 5% | #R110 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 200ohm, 5% | #R003, 004, 027, #R028 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 20Kohm, 5% | #R109, 113 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 220ohm, 5% | #R135, 136 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 22Kohm, 5% | #R128 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 220Kohm, 5% | #R069, 070 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 240ohm, 5% | #R019, 020, 035, #R036, 122 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 27Kohm, 5% | #R117, 125, |
| RESISTOR CARBON FILM | PC | 12 | 1/4W, 270Kohm, 5% | #R087, 088, 089, #R090, 100, 104, #R108, 112, 116, #R120, 124, 129 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 300ohm, 5% | #R011, 012, 102, #R106 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 3Kohm, 5% | #R148 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 330ohm, 5% | #R077, 078, 092 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 33Kohm, 5% | #R085, 086, 101, #R105 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 330Kohm, 5% | #R111, 115 |
| RESISTOR CARBON FILM | PC | 1 | | #R097 |
| RESISTOR CARBON FILM | PC | 16 | 1/4W, 390ohm, 5% | #R001, 002, 009, #R010, 017, 018, #R025, 026, 033, #R034, 041, 042, #R049, 050, 067, #R068 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 3.9Kohm, 5% | #R073, 074, 075, #R076 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 470ohm, 5% | #R133, 133, 134, #R134 |
| RESISTOR CARBON FILM | PC | 16 | 1/4W, 47Kohm, 5% | #R005, 005, 006, #R013, 013, 014, #R014, 021, 021, #R022, 022, 029, #R029, 030, 030 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 51ohm, 5% | #R146, 146 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 5.1Kohm, 5% | #R121, 121 |
| RESISTOR CARBON FILM | PC | 10 | 1/4W, 51Kohm, 5% | #R061, 061, 062, #R062, 065, 065, #R065, 066, 066, #R127, 127 |

MODEL NO. TE-707SG
ELECTRICAL PARTS

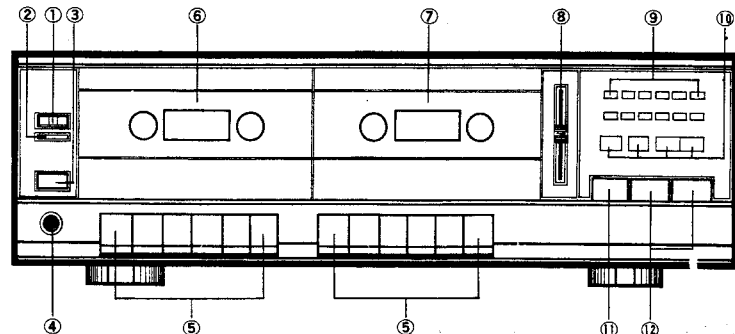
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|---------|-------------------|--|
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 510Kohm, 5% | #R103, 103, 107, #R107 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 5.6Kohm, 5% | #R139, 139 |
| RESISTOR CARBON FILM | PC | 8 | 1/4W, 56Kohm, 5% | #R037, 037, 038, #R038, 053, 053, #R054, 054 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 620Kohm, 5% | #R099, 099 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 680ohm, 5% | #R147, 147 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 68Kohm, 5% | #R045, 045, 046, #R046 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 680Kohm, 5% | #R119, 119, 123, #R123 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 75Kohm, 5% | #R132, 132 |
| RESISTOR CARBON FILM | PC | 8 | 1/4W, 820ohm, 5% | #R118, 118, 149, #R149, 150, 150, #R151, 151 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 82Kohm, 5% | #R093, 093 |
| RESISTOR CARBON FILM | PC | 2 | 1/2W, 4.7Kohm, 5% | #R141, 141 |
| RESISTOR JUMPER WIRE | M | 12.6000 | 60mm-TX123 | #/105, #/105 |

MODEL NO. TE-707SG
MECHANICAL PARTS

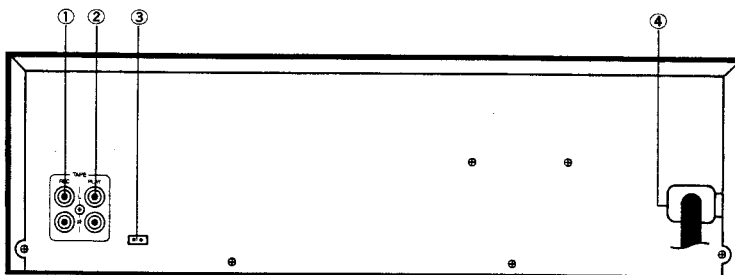
| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|--------------------|------|------------------------|--------------------|----------|
| PANEL SUB | PC | 1 | | |
| KNOB FUNCTION | PC | 3 | | |
| KNOB LEVEL | PC | 1 | | |
| KNOB POWER | PC | 1 | | |
| JOINT A | PC | 3 | | |
| HOUSING LCD | PC | 1 | | |
| HOUSING LED | PC | 1 | | |
| FILTER LED | PC | 1 | | |
| PANEL FRONT | PC | 1 | | |
| WINDOW LED | PC | 1 | | |
| WINDOW LEVEL | PC | 1 | | |
| WINDOW LCD | PC | 1 | | |
| REFLECTOR LAMP | PC | 1 | | |
| CABINET STEEL | PC | 1 | | |
| CHASSIS BACK | PC | 1 | | |
| CHASSIS BOTTOM | PC | 1 | | |
| BOTTOM COVER | PC | 1 | | |
| FOOT | PC | 4 | | |
| FOOT | PC | 2 GOLD HOT STAMPING | | |
| CUSHION | PC | 4 | | |
| CORD BUSH | PC | 1 | | |
| PCB SUPPORT | PC | 1 | | |
| PCB SUPPORT | PC | 2 | | |
| PCB CUSHION | PC | 3 | 30 x 20 x 10t | |
| GIFT BOX | PC | 1 | | |
| STYRO FOAM | PC | 2 | | |
| POLY BAG (SET) | PC | 1 | 750 x 370 x 0.05t | |
| CABLE TIE | PC | 5 | | |
| SILICAGEL | PC | 1 | | |
| WARRANTY CARD | PC | 1 | | |
| CHECK SHEET | PC | 1 | | |
| INSPECTION LABEL | PC | 1 | | |
| SERIAL LABEL | PC | 1 | | |
| A/S GUIDENCE | PC | 1 | | |
| POLY BAG (I) | PC | 1 | | |
| INST-MANUAL | PC | 1 | | |
| RECTANGLE WGSHER B | PC | 2 | | |
| SCREW TAPPING | PC | 4 | BH T2T ø3 x6 Fe-Zy | |
| SCREW TAPPING | PC | 19 | BH T2T ø3 x8 Fe-Zy | |
| SCREW TAPPING | PC | 8 | BH T2T ø3 x8 Fe-ZB | |
| SCREW TAPPING | PC | 4 | FH T2T ø3 x8 Fe-Zy | |
| SCREW TAPPING | PC | 3 | FH T2T ø3 x8 Fe-ZB | |
| SCREW MACHINE | PC | 2 | BH M4 x8 Fe-ZB | |
| SCREW TAPPING | PC | 4 | BH T2T ø4 x8 Fe-ZB | |

MODEL NO. TD-703DMS STEREO DOUBLE CASSETTE DECK

FRONT PANEL



REAR PANEL



FRONT PANEL FEATURES

- 1. Tape Counter (Tape A, Record and Play only)**
Can be used for easy reference and indexing of selections.
- 2. Reset Button (Tape A, Record and Playback only)**
Press to reset the TAPE COUNTER to "000".
- 3. Power Switch**
When pressed in, this supplies AC power to the unit.
- 4. Microphone Jack**
Inserting a microphone plug into this jack.

5. Tape Transport Controls

- Pause Button (||):**
To temporarily stop a tape in PLAY or RECORD mode.
- Stop Button (■):**
To stop a tape in any mode.
- FF Button (▶▶):**
For rapid advancement to any desired point on the tape.
- Play Button (▶):**
To play back a tape.
- Rewind Button (◀◀):**
To rapidly rewind a tape.
- Record Button (●) (Tape A only):**
Press to make a tape recording.

(Tape A only) Since this unit is equipped with a single-touch recording feature, there is no need to press the PLAY button at the same time.

Auto Reverse Mode Button (Tape B only):

When Mode button is at off position (■ < >), Auto reverse function is continued permanently. When Mode button is at on position (■ >), Auto reverse function works one time.

Direction Button

To listen to the sound of the other side without opening the door, press this button.

6. Cassette Compartment A

Tape A, Recording and Playback.

7. Cassette Compartment B

Tape B, Playback only.

8. Record Level Control

This control adjust the recording input level.

9. Peak Level Display

The LEFT and RIGHT LED PEAK LEVEL display accurately show the signal strength. Set the REC LEVEL controls so that the PEAK LEVEL display does not travel into the orange zone of the scale. Occasional flashes are acceptable, but if the signal is allowed to consistently illuminate the orange zone of the display, audible distortion may occur.

10. LED Indicator

This indicator displays RECORD, REMOTE PAUSE, TAPE DIRECTIONS (Tape B only).

Record:

Lights up on the LED indicator when Tape A is recording.

Remote Pause:

Lights up on the LED indicator when Tape A or Tape B are in the remote pause mode.

Tape Directions (Tape B only):

Lights up on the LED Indicator in according to tape directions.

11. Dolby NR Button

This model is equipped with Dolby B NR.

12. Dubbing Switch (Normal/Hi-Dubbing)

For details, please refer to the instructions.

2. Line output Jack (Play)

Should be connected to the tape Monitor inputs of your amplifier or receiver. Note that "L" is white and "R" is red.

3. Remote Pause

If there is a Remote Pause jack on the pre-main amplifier or receiver, connect these two pin jacks.

4. AC Power Cord

With the POWER switch set to the OFF position, plug the AC line cord into an AC outlet providing the proper voltage.

SPECIFICATIONS

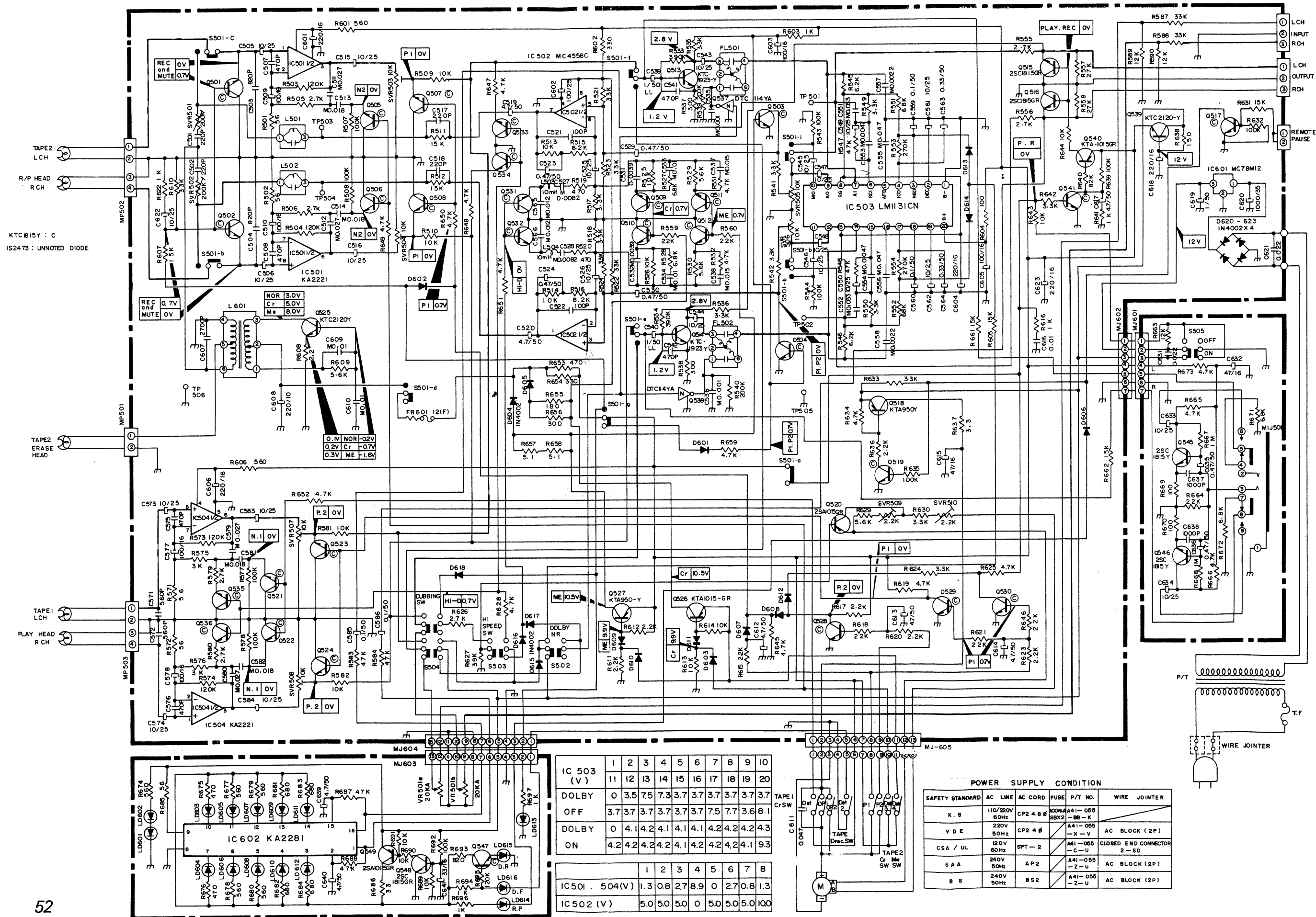
| | |
|-----------------------|---|
| Head | : Deck B 1 Head System Playback: Super hard metal alloy Deck A, 2 Head System REC/Play: Super Hard Metal Alloy Erase: Dual Cap Ferrite |
| Drive System | : Soft Mecha Touch |
| Motor | : DC 12V, Motor (1 Motor) |
| Tape Speed | : 4.75 Cm/sec. |
| Wow Flotter | : 0.08% |
| Frequency Response | : Metal 40 Hz - 15 KHz CrO2 40 Hz - 14 KHz Normal 40 Hz - 13 KHz |
| Signal to Noise Ratio | : 64 dB (Dolby On) |
| T.H.D. | : 1% (CrO2) |
| Bias Frequency | : 85 KHz |
| Input Sensitivity | : Mic 1.5 mV Line 90 mV |
| Power Supply Voltage | : Safety Standard |
| Power Consumption | : 15 W |
| Demension | : 420(W) x 120(H) x 256(D) mm |
| Weight | : 3.8 Kg |

REAR PANEL CONNECTIONS

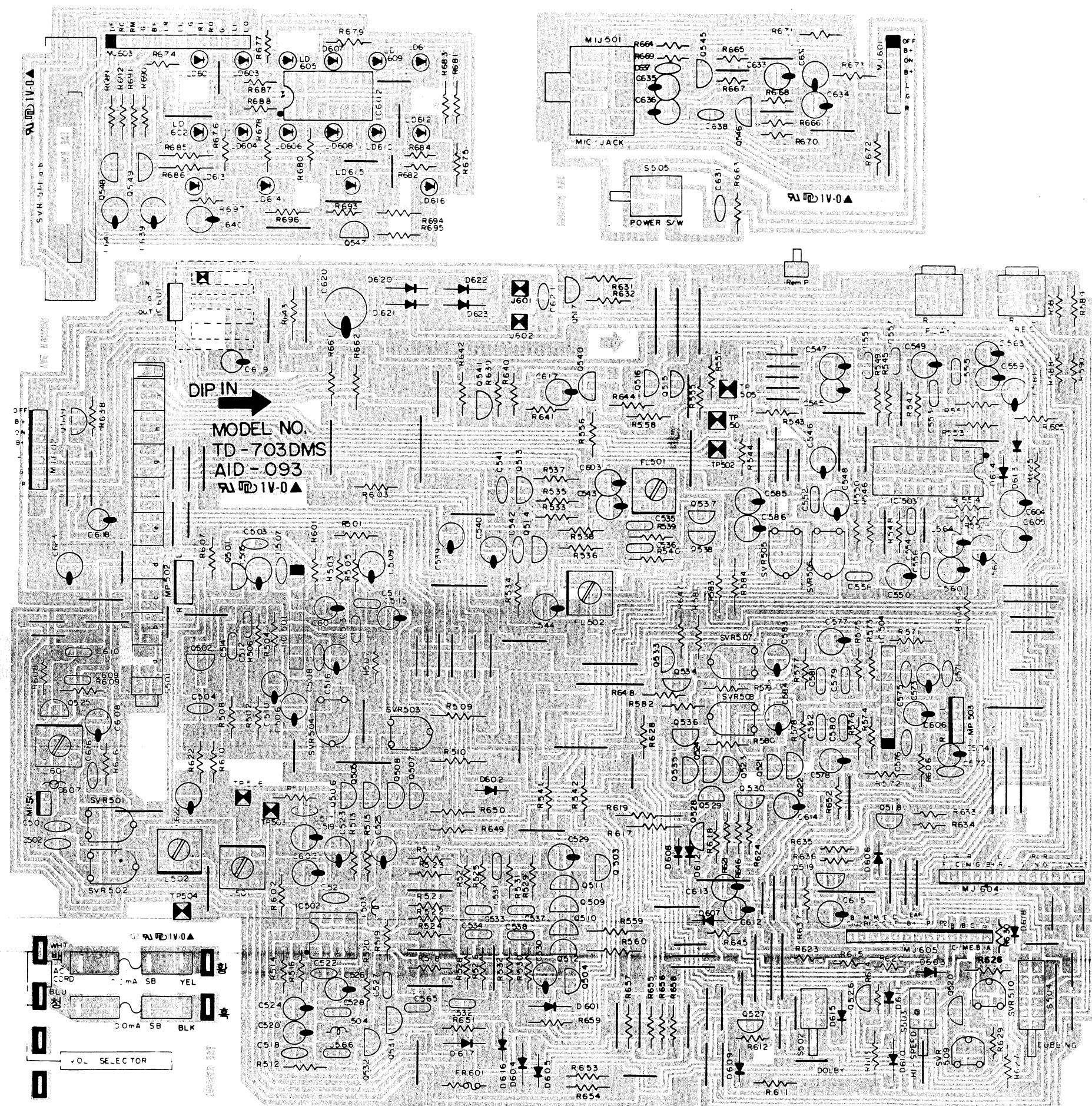
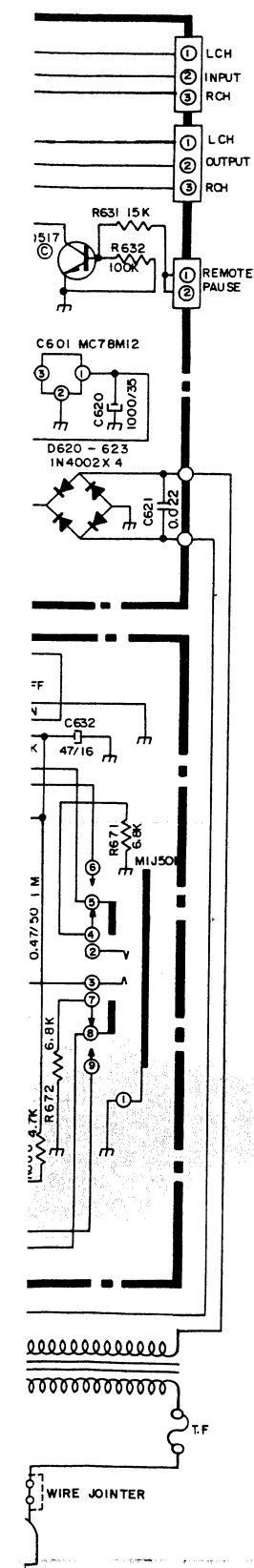
1. Line Input Jack (Record)

Should be connected to the tape output jacks of your amplifier or receiver. Note that "L" is white and "R" is red.

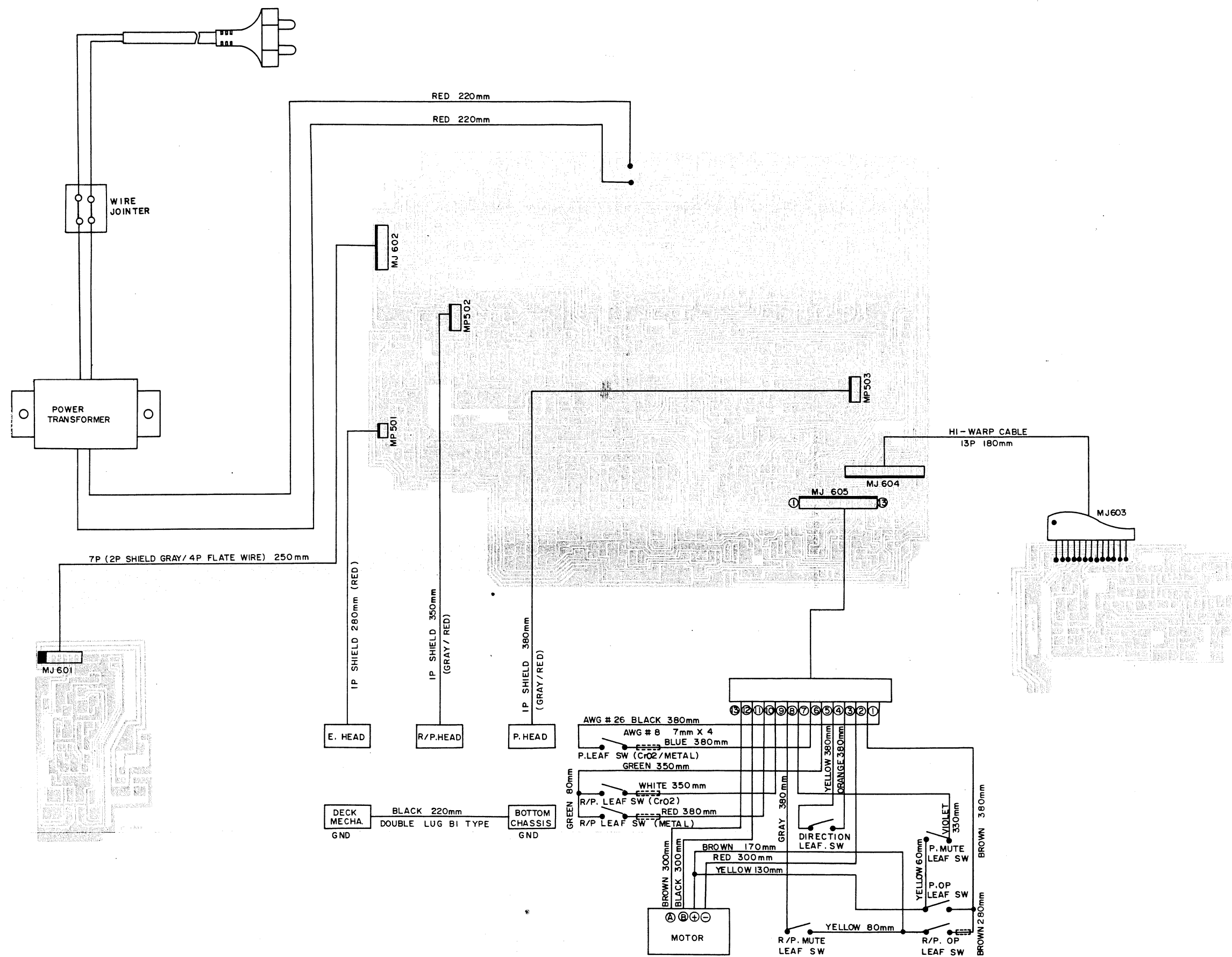
MODEL NO.TD-703DMS SCHEMATIC DIAGRAM



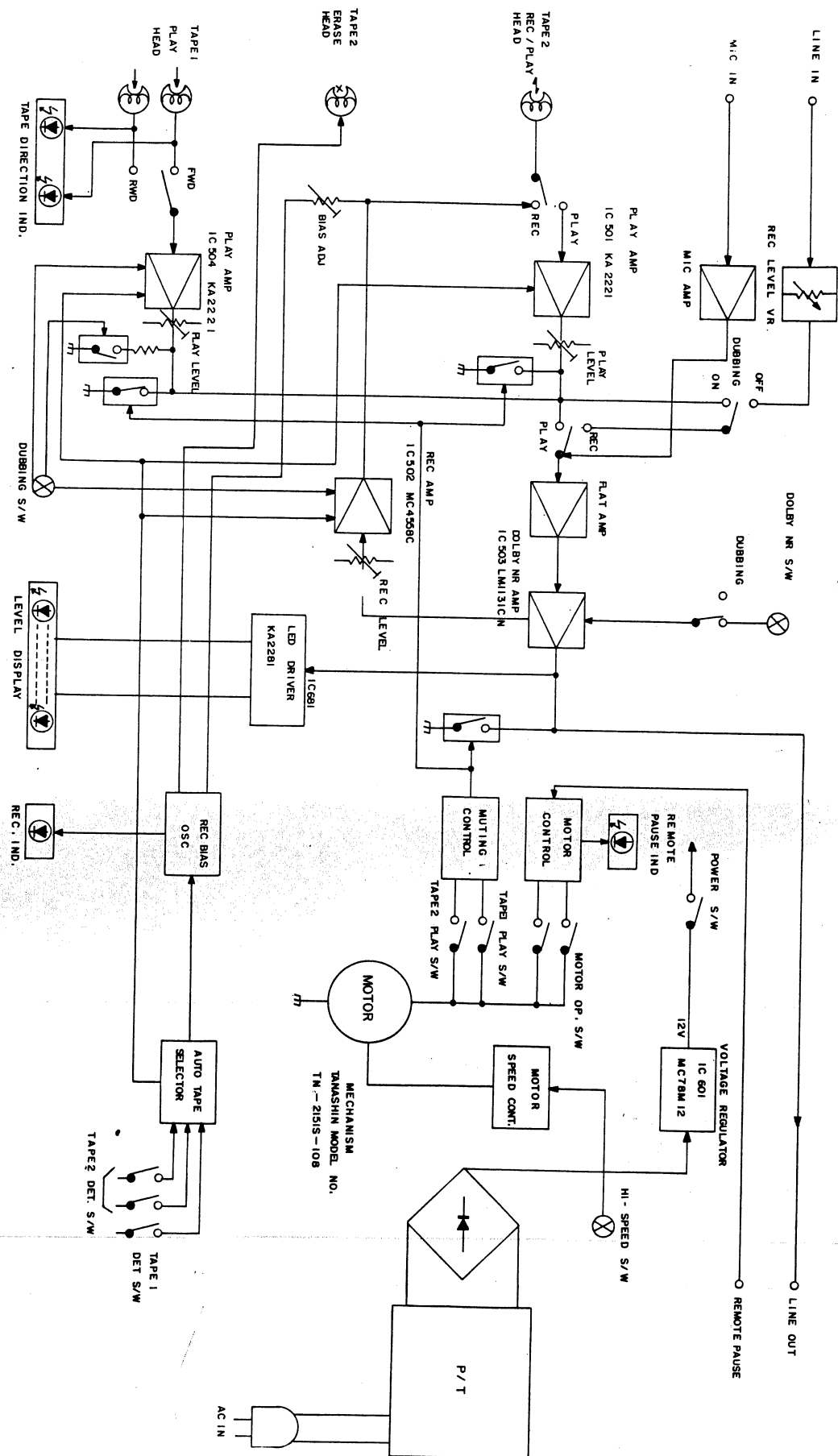
MODEL NO. TD-703DMS PCB LAYOUT



MODEL NO. TD-703DMS
WIRING DIAGRAM



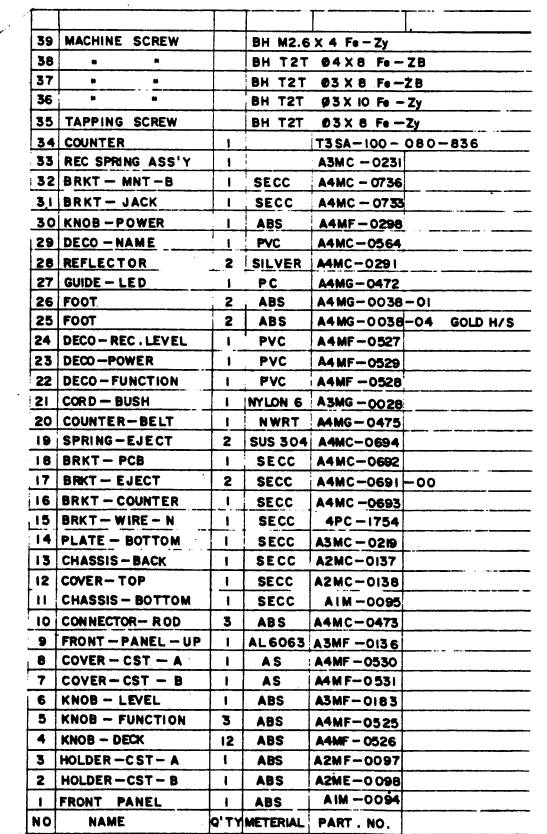
MODEL NO. TD-703DMS
BLOCK DIAGRAM



MODEL NO. TD-703DMS BLOCK DIAGRAM



MODEL NO. TD-703DMS EXPLODED VIEW



MODEL NO. TD-703DMS
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|-----------------------|------|------|----------------------------|---|
| IC | PC | 1 | LM1131CN | IC503 |
| IC | PC | 2 | KA2221 | IC501, 504 |
| IC | PC | 1 | KA2281 | IC602 |
| IC | PC | 1 | MC4558C | IC502 |
| IC | PC | 1 | MC73M12 | IC601 |
| LED | PC | 10 | SLR-54MC-5 | LD601, 602, 603, LD604, 605, 606, LD607, 608, 615, LD616 |
| LED | PC | 1 | SLR-54VC-5 | LD613 |
| LED | PC | 5 | SLR54DC-5 | LD609, 610, 611, LD612, 614 |
| DECK MECHANISM | PC | 1 | TN2151S-108 | |
| SLIDE VR. | PC | 1 | 20KA DOUBLE | SVR511a, b |
| SLIDE SW. | PC | 1 | 9C2P, W/MUTE, T00920001 | S501, a-i |
| PUSH SW. | PC | 1 | 1KEY 2C2P, TR2112055 | S505 |
| PUSH SW. | PC | 2 | 1KEY 2C2P, R2320602A | S502, 503 |
| PUSH SW. | PC | 1 | 1KEY, 4C2P, R2320569 | S504 |
| SEMI FIXED RESISTOR | PC | 2 | 2.2KB | SVR509, 510 |
| SEMI FIXED RESISTOR | PC | 6 | 10KB | SVR503, 504, 505, SVR506, 507, 508 SVR501, 502 |
| SEMI FIXED RESISTOR | PC | 2 | 200KB | |
| MIC JACK (METAL LESS) | PC | 1 | 6.3a, HLJ-4306-01-3010 | |
| RCA JACK | PC | 1 | 4P, AP4-0032A | |
| DOLBY FILTER COIL | PC | 2 | 19KHZ, 184015 | FL501, 502 |
| BIAS OSC COIL | PC | 1 | 85KHZ, 191011 | L601 |
| BIAS TRAP COIL | PC | 2 | 85KHZ, 184014 | L501, 502 |
| PEAKING COIL | PC | 2 | 10mH, MOLDING | L503, 504 |
| PHONE CORD | PC | 2 | 2P, RCA PULG DOUBLE L:0.6m | |
| AC CORD W/PLUG | PC | 1 | SAFETY STANDARD | |
| POWER TRANSFORMER | PC | 1 | SAFETY STANDARD | |
| WIRE JOINTER | PC | 1 | SAFETY STANDARD | |
| PCB | PC | 1 | AID-093 | |
| TRANSISTOR | PC | 2 | KTA950Y | Q518, 527 |
| TRANSISTOR | PC | 4 | KTA1015-GR | Q520, 526, 540, Q549 |
| TRANSISTOR | PC | 4 | KTC1815-GR | Q515, 516, 547, Q548 |
| TRANSISTOR | PC | 30 | KTC1815-Y | Q501, 502, 503, Q504, 505, 506, Q507, 508, 509, Q510, 511, 512, Q517, 519, 521, Q522, 523, 524, Q528, 529, 530, Q531, 532, 533, Q534, 535, 536, Q541, 545, 546 |
| TRANSISTOR | PC | 2 | KTC1923-Y | Q513, 514 |
| TRANSISTOR | PC | 2 | KTC2120-Y | Q525, 539 |
| DIGITAL TRANSISTOR | PC | 2 | DTC114YA | Q537, 538 |
| RECTIFIER DIODE | PC | 6 | IN4002 | D604, 615, 620, D621, 622, 623 |

MODEL NO.TD-703DMS
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|--------------------------------|--|
| SILICON DIODE | PC | 16 | IS2473 | D601, 602, 603, D605, 606, 607, D608, 609, 610, D611, 612, 613, D614, 616, 617, D618 #C611 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 0.047uF, Z, F | #C637, 638 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 1000pF, K, B | #C616 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 0.01uF, Z, F | #C621, 631 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 0.022uF, Z, F | #C521, 522 |
| CAPACITOR CERAMIC | PC | 4 | 50V, 100pF, J, SL | #C501, 502, 517, #C518 |
| CAPACITOR CERAMIC | PC | 1 | 50V, 220pF, J, CH | #C507, 508, 541, #C542, 575, 576 |
| CAPACITOR CERAMIC | PC | 6 | 50V, 470pF, J, SL | #C571, 572 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 560pF, J, SL | #C503, 504 |
| CAPACITOR CERAMIC | PC | 2 | 50V, 820pF, J, SL | #C509, 510, 577 |
| CAPACITOR E/ALUMINUM | PC | 2 | 35V, 1000uF, M-S, 16 x 25 | #C578, 603, 605 |
| CAPACITOR E/ALUMINUM | PC | 6 | 16V, 220uF, M-T, 8 x 11.5 | #C601, 604, 606, #C608, 618, 623 |
| CAPACITOR E/ALUMINUM | PC | 6 | 16V, 220uF, M-T, 8 x 11.5 | #C641 |
| CAPACITOR E/ALUMINUM | PC | 1 | 16V, 33uF, M-T, 5 x 11 | #C615, 632 |
| CAPACITOR E/ALUMINUM | PC | 2 | 16V, 47uF, M-T, 6.3 x 11 | #C505, 506, 515, #C516, 525, 526, #C543, 544, 545, #C546, 547, 548, #C549, 550, 561, #C562, 573, 574, #C583, 584, 622, #C633, 634 |
| CAPACITOR E/ALUMINUM | PC | 23 | 25V, 10uF, M-T, 5 x 11 | #C602 |
| CAPACITOR E/ALUMINUM | PC | 1 | 25V, 100uF, M-T, 8 x 11.5 | #C619 |
| CAPACITOR E/ALUMINUM | PC | 1 | 50V, 1.0uF, M-T, 5 x 11 | #C519, 520, 612, #C613, 614, 617, #C639, 640 |
| CAPACITOR E/ALUMINUM | PC | 8 | 50V, 4.7uF, M-T, 5 x 11 | #C559, 560, 585, #C586 |
| CAPACITOR E/ALUMINUM | PC | 4 | 50V, 0.1uF, M-T, 5 x 11 | #C563, 564 |
| CAPACITOR E/ALUMINUM | PC | 2 | 50V, 0.33uF, M-T, 5 x 11 | #C523, 524, 529, #C530, 635, 636 |
| CAPACITOR E/ALUMINUM | PC | 6 | 50V, 0.47uF, M-T, 5 x 11 | #C539, 540 |
| CAPACITOR E/LOW LEAK | PC | 2 | 50V, 1uF, M-T, 5 x 11 | #C607 |
| CAPACITOR POLYNTYLEN | PC | 1 | 125V, 2700pF, J-S, 7 x 10 | #C535, 536 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.001uFm J-T, 5.3 x 12.5 | #C533, 534, 609, #C610 |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.010uF, J-T, 6.8 x 13 | #C565, 566 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.012uF, J-T, 7.0 x 13 | #C537, 538 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.015uF, J-T, 7.1 x 13 | #C513, 514, 581, #C582 |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.018uF, J-T, 7.3 x 13 | #C557, 558 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0022uF, J-T, 5.5 x 12.5 | #C511, 512, 579, #C580 |
| CAPACITOR F/POLYESTR | PC | 4 | 50V, 0.027uF, J-T, 7.8 x 13 | #C551, 552 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.033uF, J-T, 8.1 x 13 | |

MODEL NO.TD-703DMS
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q'TY | DESCRIPTION | LOCATION |
|----------------------|------|------|--------------------------------|--|
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0039uF, J-T, 5.8 x 12.5 | #C531, 532 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0047uF, J-T, 5.8 x 12.5 | #C563, 564 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.047uF, J-T, 8.9 x 13.5 | #C555, 556 |
| CAPACITOR F/POLYESTR | PC | 2 | 50V, 0.0082uF, J-T, 6.5 x 12.5 | #C527, 528 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 100ohm, 5% | #R669, 670 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 1Kohm, 5% | #R697 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 10Kohm, 5% | #R614 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 100Kohm, 5% | #R635 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 1Mohm, 5% | #R667, 668 |
| RESISTOR CARBON FILM | PC | 5 | 1/5W, 2.2Kohm, 5% | #R612, 615, 620, #R623, 636 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 22Kohm, 5% | #R664 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 3.3Kohm, 5% | #R630, 633 |
| RESISTOR CARBON FILM | PC | 4 | 1/5W, 4.7Kohm, 5% | #R634, 645, 665, #R666 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 47Kohm, 5% | #R687, 688 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 560ohm, 5% | #R674, 677 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 5.6Kohm, 5% | #R629 |
| RESISTOR CARBON FILM | PC | 2 | 1/5W, 680ohm, 5% | #R682, 684 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 820ohm, 5% | #R693 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 100ohm, 5% | #R604 |
| RESISTOR CARBON FILM | PC | 6 | 1/4W, 1Kohm, 5% | #R603, 616, 622, #R641, 694, 696 |
| RESISTOR CARBON FILM | PC | 14 | 1/4W, 10Kohm, 5% | #R509, 510, 513 #R514, 525, 526, #R581, 582, 613 #R643, 644, 689, #R690, 691 |
| RESISTOR CARBON FILM | PC | 9 | 1/4W, 100Kohm, 5% | #R507, 508, 543, #R544, 577, 578, #R632, 639, 692 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 12Kohm, 5% | #R589, 590, 663 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 120Kohm, 5% | #R503, 504, 573, #R574, 695 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 150ohm, 5% | #R638 |
| RESISTOR CARBON FILM | PC | 7 | 1/4W, 15Kohm, 5% | #R511, 512, 605, #R607, 631, 661, #R662 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 180ohm, 5% | #R655 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 200Kohm, 5% | #R539, 540 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 2.2Kohm, 5% | #R611, 617 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 22Kohm, 5% | #R559, 560, 618, #R621, 646 |
| RESISTOR CARBON FILM | PC | 7 | 1/4W, 2.7Kohm, 5% | #R505, 506, 555, #R556, 579, 580, #R626 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 27Kohm, 5% | #R557, 558 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 270Kohm, 5% | #R553, 554 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 2.2ohm, 5% | #R608 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 300ohm, 5% | #R537, 538, 656 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 3Kohm, 5% | #R575, 576 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 33ohm, 5% | #R686 |

MODEL NO.TD-703DMS
ELECTRICAL PARTS

| PARTS NAME | UNIT | Q.TY | DESCRIPTION | LOCATION |
|----------------------|------|--------|-------------------|---|
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 330ohm, 5% | #R602, 654 |
| RESISTOR CARBON FILM | PC | 10 | 1/4W, 3.3Kohm, 5% | #R517, 518, 535, #R536, 541, 542, #R549, 550, 624, #R642 |
| RESISTOR CARBON FILM | PC | 7 | 1/4W, 33Kohm, 5% | #R521, 522, 523, #R524, 587, 588, #R610 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 39Kohm, 5% | #R627 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 390Kohm, 5% | #R533, 534 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 3.3ohm, 5% | #R637 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 470ohm, 5% | #R519, 520, 653, #R675, 676 |
| RESISTOR CARBON FILM | PC | 13 | 1/4W, 4.7Kohm, 5% | #R531, 532, 619, #R625, 628, 647, #R648, 649, 650, #R651, 652, 659, #R673 |
| RESISTOR CARBON FILM | PC | 4 | 1/4W, 47Kohm, 5% | #R547, 548, 583, #R584 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 56ohm, 5% | #R501, 502, 571, #R572, 685 |
| RESISTOR CARBON FILM | PC | 5 | 1/4W, 560ohm, 5% | #R601, 606, 678, #R679, 680 |
| RESISTOR CARBON FILM | PC | 3 | 1/4W, 5.6Kohm, 5% | #R529, 530, 609 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 5.1ohm, 5% | #R657, 658 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 6.2Kohm, 5% | #R545, 546 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 680ohm, 5% | #R681, 683 |
| RESISTOR CARBON FILM | PC | 4 | 1/4w, 6.8Kohm, 5% | #R527, 528, 671, #R672 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 68Kohm, 5% | #R551, 552 |
| RESISTOR CARBON FILM | PC | 2 | 1/4W, 8.2Kohm, 5% | #R515, 516 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 82Kohm, 5% | #R640 |
| RESISTOR FUSIBLE | PC | 1 | 1/4W, 12ohm, 5% | #FR601 |
| RESISTOR JUMPER WIRE | M | 7,3800 | 60mm-TX123 | #/123 |

MODEL NO.TD-703DMS
MECHANICAL PARTS

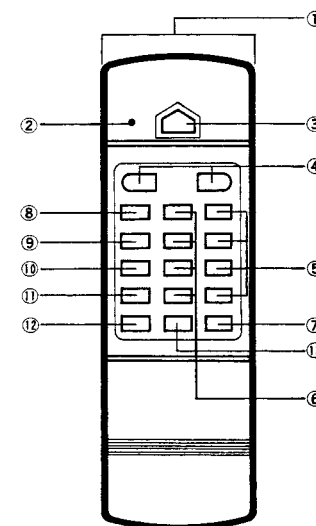
| PARTS NAME | UNIT | Q.TY | DESCRIPTION | REMARKS |
|------------------|------|------|-------------|---------|
| PANEL FRONT | PC | 1 | | |
| HOLDER CST A | PC | 1 | | |
| HOLDER CST B | PC | 1 | | |
| KNOB DECK | PC | 12 | | |
| KNOB FUNCTION | PC | 3 | | |
| KNOB LEVEL | PC | 1 | | |
| KNOB POWER | PC | 1 | | |
| CONNECTOR ROD | PC | 3 | | |
| GUIDE LED | PC | 1 | | |
| COVER CST A | PC | 1 | | |
| COVER CST B | PC | 1 | | |
| CHASSIS BOTTOM | PC | 1 | | |
| COVER TOP | PC | 1 | | |
| CHASSIS BACK | PC | 1 | | |
| PLATE BOTTOM | PC | 1 | | |
| BRKT. WIRE M | PC | 1 | | |
| BRKT. WIRE N | PC | 1 | | |
| BRKT. COUNTER | PC | 1 | | |
| BRKT. EJECT | PC | 2 | | |
| BRKT. JACK | PC | 1 | | |
| BRKT. PCB | PC | 1 | | |
| BRKT. DECK | PC | 1 | | |
| HEAT SINK TR | PC | 1 | | |
| SPRING CASSETTE | PC | 4 | | |
| SPRING EJECT | PC | 2 | | |
| DAMPER SHAFT R | PC | 1 | | |
| DAMPER SHAFT L | PC | 1 | | |
| DAMPER | PC | 2 | | |
| COUNTER BELT | PC | 1 | | |
| CORD BUSH | PC | 1 | | |
| REFLECTOR | PC | 2 | | |
| DECO. FUNCTION | PC | 1 | | |
| DECO. POWER | PC | 1 | | |
| DECO. REC LEVEL | PC | 1 | | |
| DECO. NAME | PC | 1 | | |
| SPRING REC ASS'Y | PC | 1 | | |
| FRONT PANEL UP | PC | 1 | | |
| CABLE TIE | PC | 10 | | |
| FOOT | PC | 4 | | |
| FOOT CUSHION | PC | 4 | | |
| BRKT. MNT B | PC | 1 | | |
| CUSHION PCB | PC | 1 | | |
| FILTER LED | PC | 1 | | |
| CUSHION R | PC | 1 | | |
| CUSHION L | PC | 1 | | |

MODEL NO. TD-703DMS
MECHANICAL PARTS

| PARTS NAME | UNIT | Q'TY | REMARKS |
|---------------|------|------|-------------------------------------|
| WIRE CLAMP | PC | 1 | |
| GIFT BOX | PC | 1 | |
| POLY BAS (S) | PC | 1 | |
| PCB | PC | (1) | |
| SILICA GEL | PC | 1 | |
| WARRENTY CARD | PC | 1 | |
| COUNTER | PC | 1 | |
| TAPPING SCREW | PC | 20 | BH, T2T, $\phi 3 \times 8$, Fe-Zy |
| TAPPING SCREW | PC | 19 | BH, T2T, $\phi 3 \times 10$, Fe-Zy |
| TAPPING SCREW | PC | 2 | FH, T2T, $\phi 3 \times 6$, Fe-Zy |
| TAPPING SCREW | PC | 13 | BH, T2T, $\phi 3 \times 8$, Fe-ZB |
| TAPPING SCREW | PC | 4 | BH, T3T, $\phi 4 \times 8$, Fe-ZB |
| MACHINE SCREW | PC | 1 | BH, M2.6 $\times 4$ Fe-Zy |
| MACHINE SCREW | PC | 1 | BH, M3 $\times 8$, Fe-Zy |
| MACHINE SCREW | PC | 2 | BH, M3 $\times 8$, Fe-ZB |

MODEL NO.
TRM-718BR
REMOTE CONTROL BOX

REMOTE CONTROL



PANEL FEATURES

1. Remote Transmitter

This is a equipment to transmit remote signal.
It Cannot control the other sets except AMP TA-705BR.

2. Remote Indicator

This LED indicates remote control condition when transmitting remote signal.

3. Power Button

Each time you depressed the botton repeatedly is repeated power POWER ON, STAND BY condition of AMP TA-705BR.

4. Volume Control

This button controls volume of AMP TA-705BR.
Hold the UP or DOWN botton until desired volume level is obtained.

5. Tuner Function

BAND: Use to select BAND function of the TUNER TT-702DP.

Depress this botton when selecting tuner function of the AMP TA-705BR.

UP: Use to increase tuned frequency of the TUNER TT-702DP.

DOWN: Use to decrease tuned frequency of the TUNER TT-702DP.

MEMORY, SCAN/STOP: Use to start memory scanning, and to stop the scanning, press it again of the TUNER TT-702DP.

Depress the BAND botton second times (Three times: In case of three BAND) for selecting the band to have been heard just ago of the tuner from the other sources.

6. CDP Function

PLAY/PAUSE: Use to select PLAY/PAUSE function of the CDP.

Depress this button when selecting CDP function of the AMP TA-705BR.

STOP : Use to select STOP function of the CDP.

SKIP + : Use to select SKIP+ function of the CDP.

SKIP - : Use to select SKIP - function of the CDP.

Depress the PLAY/PAUSE button second times for selecting the music to have been heard just ago of the CDP from the other sources.

7. Mute Button

When this button is pushed to mute condition, signal level is downed.

Then mute LED of the AMP TA-705BR lights up.

8. Start Button

When this button is pushed, turntable TP-702BR become start condition.

Depress this button when hearing the record player TP-702BR.

9. Stop Button

When this button is pushed, turntable TP-702BR become STOP condition.

10. Tape Monitor Button

Each time you depressed the button repeatedly is repeated TAPE, SOURCE function of AMP TA-705BR.

TAPE : For a TAPE DECK TD-703DMS.

SOURCE: For a SOURCE (PHONO, TUNER, CDP, DAT, VIDEO).

11. Pause Button

Each time you depressed the button repeatedly is repeated PAUSE, PLAY/RECORDING condition of DECK TD-703DMS.

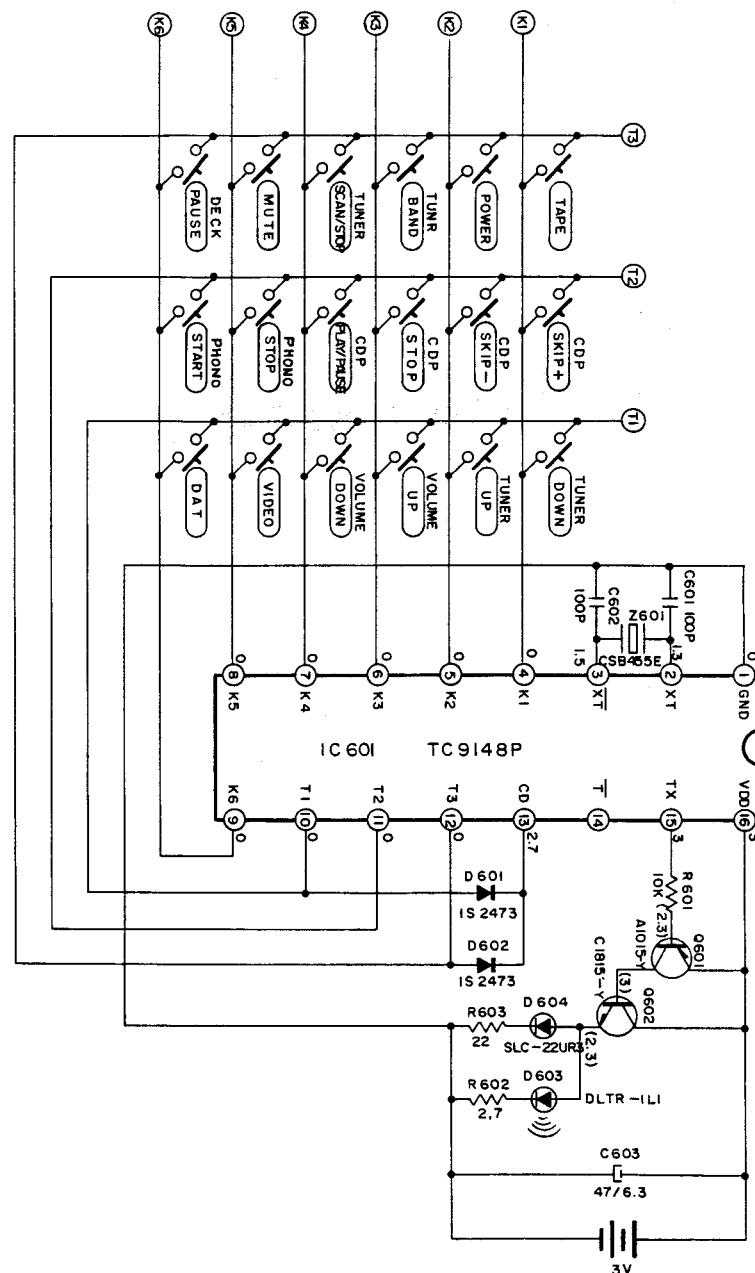
12. VIDEO FUNCTION BUTTON

Depress this button when selecting VIDEO function of the AMP TA-705BR.

13. DAT FUNCTION BUTTON

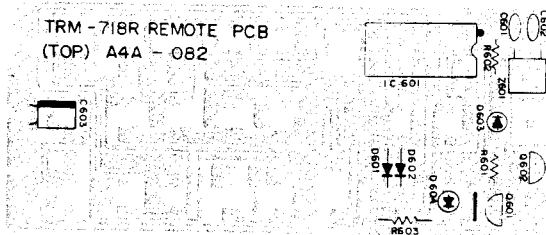
Depress this button when selecting DAT function of AMP TA-705BR.

MODEL NO. TRM-718BR SCHEMATIC DIAGRAM



MODEL NO. TRM-718BR
PCB LAYOUT

REMOTE PCB
(TOP) A4A-082



MODEL NO. TRM-718BR
ELECTRICAL PARTS

| PARTS NAME | UNIT | QTY | DESCRIPTION | REMARKS |
|----------------------|------|-----|------------------------|------------|
| IC | PC | 1 | TC-9148P | IC601 |
| TANSISTOR | PC | 1 | KTC1815-Y | Q602 |
| TRANSISTOR | PC | 1 | KTA1015-Y | Q601 |
| LED | PC | 1 | 2ø, SLC-22UR3 | D604 |
| LED | PC | 1 | 5ø DLR-ILI | D603 |
| CERAMIC RESONATOR | PC | 1 | CSB455E | Z601 |
| SILICON DIODE | PC | 2 | IS2473 | D601, 602 |
| REMOTE PCB | PC | 1 | A4A-082 | |
| CAPACITOR CERAMIC | PC | 2 | 50V, 100pF, K B | #C601, 602 |
| CAPACITOR E/ALUMINUM | PC | 1 | 6.3V, 47uF, M-S, 5 x 7 | #C603 |
| RESISTOR CARBON FILM | PC | 1 | 1/5W, 10Kohm, 5% | #R601 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 22Kohm, 5% | #R603 |
| RESISTOR CARBON FILM | PC | 1 | 1/4W, 2.7ohm, 5% | #R602 |
| RESISTOR JUMPER WIRE | PC | 1 | 5 mm-M | |

MODEL NO. TRM-718BR
MECHANICAL PARTS

| PARTS NEME | UNIT | QTY | DESCRIPTION | REMAKRK |
|--------------------|------|-----|-------------|---------|
| COVER TOP | PC | 1 | | |
| COVER BOTTOM | PC | 1 | | |
| COVER BATTERY | PC | 1 | | |
| WINDOW | PC | 1 | | |
| KNOB FUNCTION 18 | PC | 1 | | |
| PLATE FUNCTION | PC | 1 | | |
| BATTERY SPRING | PC | 1 | | |
| BATTERY SPRING (+) | PC | 2 | | |
| POLY BAG | PC | 1 | | |
| GIFT BOX | PC | 1 | | |